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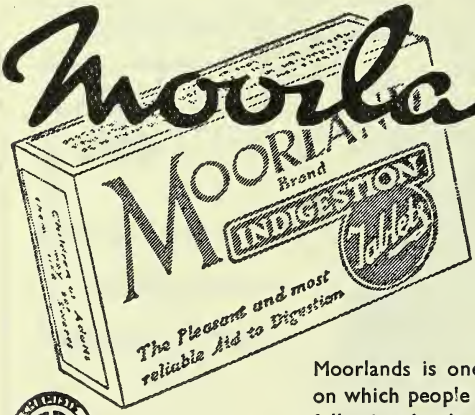

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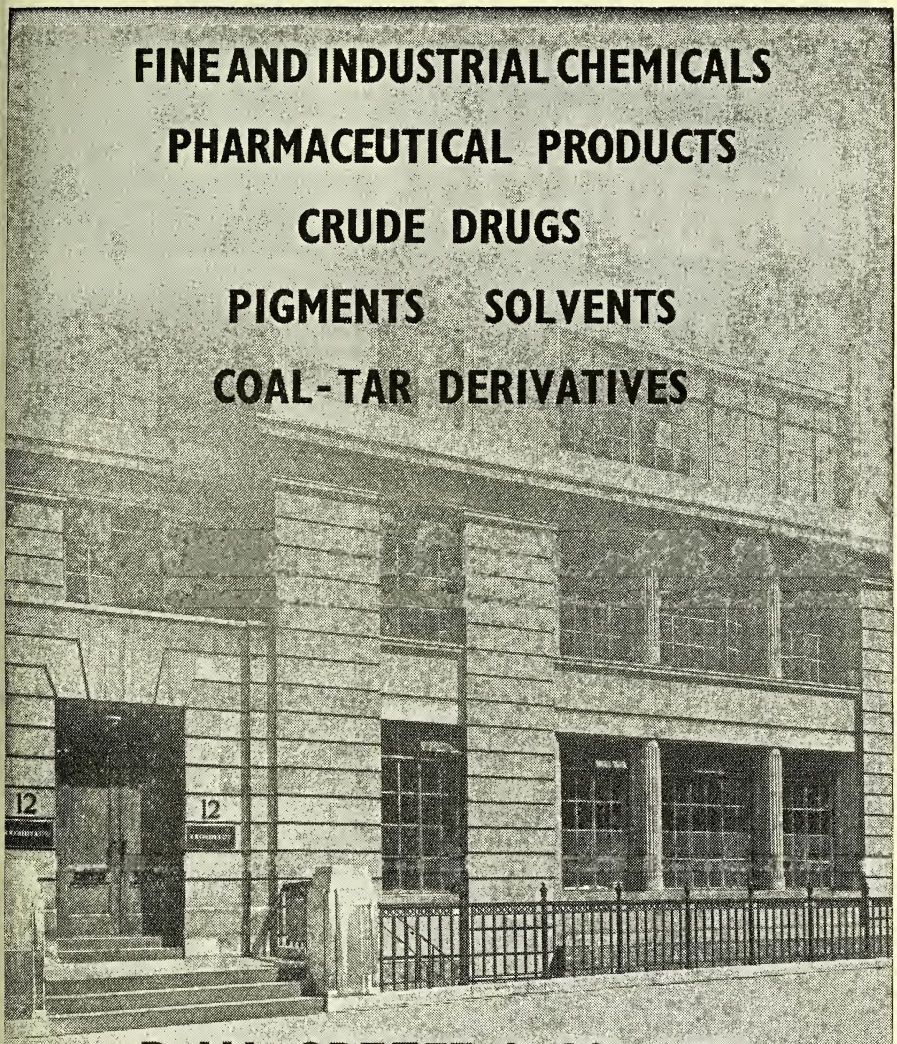

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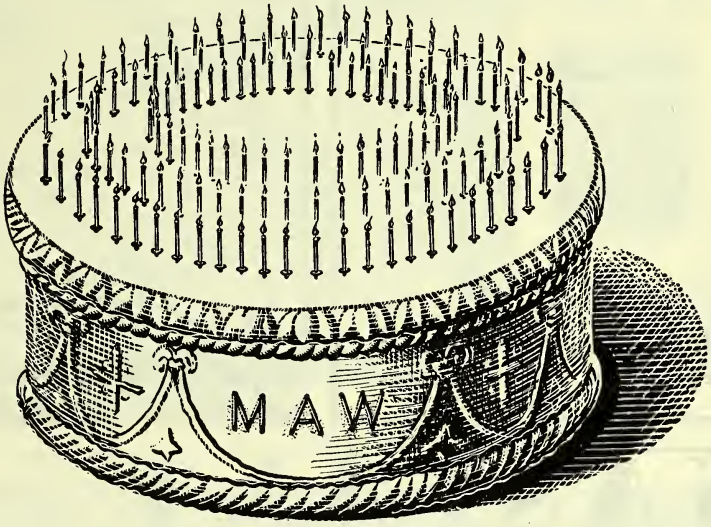

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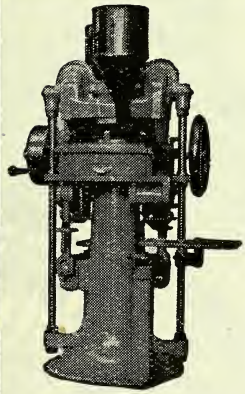

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1 small		1	0
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Your Outlay		36	0
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		s.	d.
6 doz. large @ 1/9	=	126	0
3 doz. small @ 1/-	=	36	0
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Bonus 6 large @ 1/9	=	10	6
3 small @ 1/-	=	3	0
Extra Bonus 3 large @ 1/9	=	5	3
Your return		180	9
Your outlay		108	0
Your **PROFIT**		72	9

Profit on outlay = 67%

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„ FLAKES	49/3	6/2
CUSCUTINE PILLS	18/0	2/3
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GELINEAU DRAGEES (50)	42/9	5/4
„ „ (150)	85/6	10/8
GENATROPINE GRANULES	58/0	7/3
„ SOLUTION	59/4	7/5
„ AMPOULES	56/0	7/0
GENESERINE GRANULES	57/9	7/2
„ SOLUTION	58/4	7/3
GENOSCOPOLAMINE GRANS.	58/6	7/4
KOLA ASTIER GRANULES	48/0	6/0
LACTEOL	30/0	3/11

	CHEMISTS PER DOZ. EXC. P.T.	RETAIL EACH INC. P.T.
RHINO-LACTEOL SNUFF	7/0	1/1
NATIVELLE DIGITALINE TABS. 1/600 gr.	37/0	5/0
„ „ „ 1/240 gr.	49/6	6/6
„ „ „ SOLUTION	54/9	6/10
„ „ AMPS. 6 x 1 cc. ½ mgm.	54/9	6/10
„ „ „ 1/300 grain	54/9	6/10
„ OUABAINE „ ½ mgm.	54/9	6/10
„ „ „ ½ mgm.	54/9	6/10
NATIROSE DRAGEES	54/9	6/10
NATIBAINE SOLUTION 1/1000	54/9	6/10
QUINICARDINE TABLETS 0 gr. 20	54/9	6/10
PEPTALMINE DRAGEES AND GRANULES	47/0	5/10
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VALDA PASTILLES	13/3	1/8

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NEWS OF THE WEEK

Royal Medical Benevolent Fund.—Burroughs Wellcome & Co. (the Wellcome Foundation, Ltd.), London, have donated to the Royal Medical Benevolent Fund the proceeds (£650) of the sale of their 1946 medical diary.

Works Visits During Centenary.—The centenary celebrations of the Chemical Society in July will include visits to the premises of The British Drug Houses, Ltd., the Distillers' Co., Ltd., Kodak, Ltd., and to the Wellcome Research Institute.

Withdrawal of D.D. Authorities.—The Home Secretary has withdrawn from Nigel Harold Maurice Russell Monro, M.R.C.S., L.R.C.P., Rock Cottage, Ventnor, Isle of Wight, and from Noel Morley Herbert, L.R.C.P., L.R.C.S., 5 Queen Street, Scarborough, their authorities under the Dangerous Drugs Acts regulations.

Symposium on Coal and Petroleum.—A symposium on "Coal, Petroleum and their Newer Derivatives," is to be held by the Scottish sections of the Royal Institute of Chemistry at the University of St. Andrews, July 7-12. Full particulars may be obtained from the assistant secretary, Royal Institute of Chemistry, 30 Russell Square, London, W.C.1.

Pepper Duty Changed.—An alteration in the duty chargeable on unground peppercorns is provided for by the Import Duties (Substitution) (No. 1) Order, 1947 (S.R. & O., No. 604), which came into operation on April 5. Unground peppercorns, formerly chargeable with a specific duty at the rate of 4s. 6d. per cwt., are now subject to a 10 per cent. *ad valorem* general duty.

Guild of Public Pharmacists.—The annual meeting of the Guild of Public Pharmacists is being held in London on May 17. Nominations for membership of the Guild's Council should be sent to reach one of the joint secretaries, Mr. E. W. Barstow, 30B Nevern Place, Earl's Court, London, S.W.5, or Mr. J. Moore, pharmaceutical department, Guy's Hospital, London, S.E.1, not later than April 19.

Chemists' Defence Association.—The forty-sixth annual report of the Chemists' Defence Association, Ltd., issued recently,

states that during 1946 there were twenty-four claims for indemnity benefit, the largest single payment being £1,500 in addition to costs. Twenty-one third party claims accounted for an expenditure of £991. Legal defence was provided for eleven members, and many legal problems were submitted for advice.

Scottish Wholesale Druggists.—At the fourteenth annual meeting of the Scottish Wholesale Druggists' Association held recently in Edinburgh, the following officers were appointed:— *Chairman,* Mr. Mitchell C. Ross (W. Paterson & Sons (Aberdeen), Ltd., Aberdeen); *Vice-chairman,* Mr. D. C. Wilson (T. & H. Smith, Ltd., Edinburgh); *Secretary,* Mr. G. Denholm (Raimes, Clark & Co., Ltd., 17 Smith's Place, Edinburgh, 6); *Executive Committee,* Messrs. R. A. Couper (Cockburn & Co., Ltd., Glasgow), and N. Rainy Brown (J. F. Macfarlan & Co., Edinburgh); *Representative to Chemists' Federation,* Mr. Peter Shields (W. & R. Hatrick, Ltd., Glasgow).

Birmingham Analyst's Report.—The report of the Birmingham city analyst for the fourth quarter of 1946 states that of eighty-five samples of drugs taken, the following ten proved incorrect: Borax and honey (excess of borax); formalin tablets (one sample deficient in paraformaldehyde, one falsely labelled); tincture of iodine (excesses of iodine and potassium iodide); kaolin poultice (deficient in boric acid); salicylic acid ointment (deficient in salicylic acid); sodium citrate tablets (chipped, broken and unfit for use); sulphur ointment (excess of sulphur); compound syrup of figs (contained dead flies); tannic acid jelly (incorrect formula printed on cartons). Cautions were issued in each instance.

LOCAL NEWS

Sheffield Dance.—Ninety members and friends attended a dance held recently by the Sheffield Branch of the Pharmaceutical Society.

Newport Officers.—The *Assistant Secretary* of Newport and Monmouthshire Chemists' Association is Mr. G. R. Clark. [Corrected note.]

Peterborough Dance.—At the annual dance of the Peterborough Chemists' Association, held recently, those present included Mr. T. Heseltine (a member of the Pharmaceutical Society's Council), the president of the Peterborough Chamber of Trade, and the deputy mayor and deputy-mayoress of Peterborough.

Dispensing in Rural Areas.—At a r cent meeting of the King's Lynn Bran of the Pharmaceutical Society, discussi took place on the provision, under t National Health Service, of a pharmaceu cal service in rural areas. A resolution w passed on the motion of Mr. F. C. Bentl (secretary) urging that where a pharma existed within five miles of the home of N.H.S. patient, all medicines should supplied by the pharmacy; where delive charges were involved, the prescripti should be endorsed accordingly by t doctor.

North Staffs Events.—At a rece meeting of the North Staffs Branch of t Pharmaceutical Society, Mr. J. Mart gave a show of the following cine films his own production: "Colour in Clay "Our Daily Bread," and "Man on t Road." A collection in aid of the Societ Benevolent Fund amounted to £7 7s.

The annual dinner and dance of t Branch was held in Hanley recent Mr. H. E. Denby (president) in the cha accompanied by Mrs. Denby. He was su ported by Mr. G. R. Knox Mawer (pre dent of the Pharmaceutical Society), t lord mayor and lady mayoress of Stoke-o Trent, the mayor and mayoress of Ne castle, Mr. H. C. Shaw (treasurer, Pharm ceutical Society), and Mrs. Shaw, Mr. R. Hackney (branch secretary) and others a total of over 200. "The Society" w proposed by the lord mayor, Mr. Kn Mawer replying. "Our Guests" was pr posed by Mr. Denby. Presentations of sm replicas of the branch president's badge office were presented to Messrs. T. G. La ley and F. Gartside, who have both pr viously held office.

Liverpool Annual Dinner.—The annu dinner of the Liverpool Chemists' Associ tion, held recently in Liverpool, was atte ded by guests from neighbouring branch of the Pharmaceutical Society. Mr. E. Briggs presided. A cheque, subscribed f by members, was handed by the lord may of Liverpool to Mr. W. E. Shepherd, (secr tary of the Association for nine year Proposing "The Society," Mr. E. A. Brig said that pharmacists in business to-da might well be concerned over the possibili of a shortage of managers and assistant but he had no doubt the Pharmaceutic Society would see them safely through the troubles. Mr. L. Moreton Parry (a men ber of the Pharmaceutical Society's Counci said conditions had changed for the bett during his fifty-one years as a member

the Society. With advances in pharmacy, the examination would have to be revised, but whether it should be passed over to the universities with degrees or diplomas, was still a matter for argument. Lack of money was no longer an obstacle, as the Government would now pay the fees to enable any really promising student to qualify. Mr. W. J. Tristram, who proposed "The Guests," described what had been achieved in improved payments for dispensing. Mr. H. Steinman (chairman, National Pharmaceutical Union) said the minimum qualification should enable a pharmacist to hold any position in a hospital, health centre or retail dispensary.

OVERSEAS NEWS

Streptomycin in South Africa.—Issues of a limited supply of streptomycin now available in South Africa are being controlled by the Department of Public Health in Pretoria.

Empire Insulin.—A report on the British Commonwealth Scientific Official Conference, London, 1946, presented recently to Parliament, includes a recommendation that every effort should be made by all Commonwealth countries to collect, process and preserve all available pancreas, as purified insulin "will be needed on an increasing scale for the treatment of diabetes."

International Standards for Penicillin.—The Interim Commission of the United Nations World Health Organisation has decided to continue with the work started by the League of Nations during the war, for the international standardisation of penicillin. A "priority" subcommission has been set up at the request of the French delegate to decide which health problems are the most urgent.

Egyptian Pharmaceutical Conference.—At the third Egyptian Pharmaceutical Conference, held recently in Alexandria, resolutions were passed calling for the unification of programmes of pharmaceutical education, and the adoption of a uniform pharmacopœia throughout the Arab states. Other resolutions urged the creation of a faculty of pharmacy in the University of Farouk I, Alexandria, and called upon the Governments of the Arab states to encourage local pharmaceutical manufacture and provide protection against foreign competition. An exhibition of pharmaceutical products organised in connection with the conference included exhibits of British, American and French, as well as Egyptian, manufacturers.

IRISH NEWS

Dublin Strike Continues. — Further efforts to effect a settlement of the strike of wholesale drug employees in Dublin (see *C. & D.*, March 8, p. 238) had, at the time of going to press, proved unsuccessful. Reports from many points of Eire indicate that supplies of essential drugs in hospitals and retail pharmacies are becoming scarce. The strike, which commenced on February 11, affects some 400 employees.

Belfast N.H.S. Conference.—A conference between officials of the Ministry of Health and representatives of pharmacy in Northern Ireland was held recently in Belfast on the invitation of the Minister of Health to discuss the part to be played by pharmacists under a Health Services Bill which is to be introduced shortly in the Northern Ireland Parliament. The Pharmaceutical Society of Northern Ireland was represented by Messrs. John McGregor (vice-president), James McDowell, H. W. Gamble and W. Gorman (secretary). The Ulster Chemists' Association was represented by Messrs. R. Gibson (president), E. A. Richey and P. R. W. Shinner. Representing the Ministry were Mr. T. Elwood (assistant secretary), Dr. J. Boyd (chief medical officer), and Messrs. J. A. Oliver, E. H. Jones, A. H. Henderson and P. A. Sythes.

Annual Meeting in Dublin. — The seventh annual meeting of the pharmacy branch of the St. Joseph's Young Priests Society, held in Dublin recently, was presided over by Mr. Michael Ryan (president). Among those present were Messrs. P. A. Brady (vice-president, Pharmaceutical Society of Ireland), P. C. Cahill and F. X. Meagher. Mr. Ryan referred with regret to the deaths of Mr. Michael J. O'Rourke and Mr. William G. Cunningham, both founder members who had occupied high office in the branch. Membership of the pharmacy branch, said Mr. Ryan, was 1,000 and their contribution to the Students' Fund had come to £270, sufficient to provide for the education of seven students. Mr. M. Costello (president, Irish Drug Association) proposed the adoption of the report and Mr. Edward Browne (chairman, chemists' Branch, Irish Union of Distributive Workers and Clerks) seconded. Other speakers were Rev. T. Counihan (vocational branches chaplain), Rev. Fr. McGrath (Maynooth Mission to China) and Rev. F. J. Campbell, O.P. (spiritual director of the branch).

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

Mr. Shinwell told the House of Commons on April 2 that industry would shortly get more coal. The plight of industry had been put to him by Mr. Anthony Eden, and Mr. Shinwell replied: "I think before long it will be discovered that these industries are able to receive a higher allocation of coal, which will, if it does not enable them to resume their previous full-time operations, at any rate relieve them of some of the difficulties which present themselves."

When Mr. H. Gaitskell wound up the debate, he said that the Cripps scheme of allocations to industry was under review, and no doubt a further statement would be made in the near future. "In effect that scheme consists of a basic allowance, with additions from the pool, the whole thing being flexible, as it must be, in accordance with the movement of production up and down, week by week. If production goes up, of course, all the percentages go up, and if it goes down, all the percentages go down."

Trade With Indonesia

On March 31 Mr. John Strachey (Minister of Food) told Mr. E. A. Bramall that the signing of the Dutch-Indonesian agreement should provide the necessary basis for early resumption of full trade relations with Indonesia, and in particular should make it possible to resume the free movement of supplies of foodstuffs already available in Indonesia for export. Even if those quantities proved to be small, an early resumption of trade should provide an incentive that would help towards the rehabilitation of production of foodstuffs. "We shall keep in close touch with both the Indonesian and the Dutch authorities in the matter and if necessary make strong representations to them if there appears to be any avoidable delay."

Liquid Paraffin

Mr. F. W. Skinnard asked the Minister of Supply if he was aware of the continuing shortage of medicinal liquid paraffin, that some chemists had received only ½-gall. in the previous three months, and what steps he was taking to increase supply.

Mr. John Wilmot: The supply of liquid paraffin is now 20 per cent. above pre-war level. All but a small fraction of this is distributed to retail chemists, doctors, hospitals and manufacturing chemists f medicinal purposes, according to their usa in 1938. If Mr. Skinnard is aware of ar chemists who are experiencing particul difficulties, I will do what I can to he them if he will let me have details.

LEGAL REPORT

Poison Order Challenged.—A Brig solicitor, who on April 2 defended a Li colnshire landowner charged at Caist magistrates' court with infringing tl poisons regulations, challenged the pow of the Home Secretary to make the wa time Order under which the proceedin were brought. The case was one in whic Arthur Ingram Walgate, Cuxweld Ha was charged with using strychnine, "by tl hand of a servant, for a purpose oth than that of killing moles." The keep was charged with aiding and abetting, ar the allegation in the case was that stryc nine, obtained under a War Agricultur Committee permit, was used to kill carric crows. The solicitor claimed that the Secr tary of State had no power to make it. "A officer of State can only, in ordina circumstances," he said, "make rules whic are authorised by Act of Parliament, ar the Pharmacy and Poisons Act, 1933, giv him no power to make a rule like this Regulations for the sale and supply poisons came within the terms of tl measure, he suggested, but not restrictio on their mode of use. The presiding magi trate said that a very important point law had been raised, and the case wou be adjourned so that the magistrates cou have time to consider it. If necessary, th would consult a higher authority. Prosecu ing solicitor contested the validity of tl submission made by the defence. He ga details of the Order in Council under whic proceedings were brought and said that tl Secretary of State had made the Ord with proper effect. Legal arguments toc place on other points after the charge ha been outlined. A person who produced written authority in a certain form from tl Agricultural Executive Committee cou buy a limited quantity of strychnine ar use it for killing moles. The allegation this case was that strychnine obtained wi a proper authorisation to kill moles w used for other purposes. Both defendan formally pleaded "Not guilty" and tl case was adjourned *sine die*.

TOPICAL REFLECTIONS

The Profit Motive

The words at the head of this paragraph may serve, even if they are hackneyed, to introduce a brief comment on your timely editorial article (p. 379) "In Praise of Shopkeeping." We sometimes find people speaking or writing as if there were something essentially immoral in making a profit on one's work. But surely profit-making is as honourable as any other human activity, provided that the maker does not elbow anyone else into the gutter during his transactions. A few words in a sentence near the end of your article put the point concisely: you write that there are "men and women in pharmacy to whom work of a purely pharmaceutical nature is not completely satisfying." The fact is that in some men and women salesmanship is innate. Many of your readers must occasionally, in conversation with an inventor or a salesman, have had the experience of seeing his face light up and hearing him talk with enthusiasm about some article in which he had complete faith: its proper introduction was his chief concern. Are we to believe that this faculty is merely a residual trait derived from a remote branch of the apes or from the ichthyosaurus? Every worker in the world is engaged in selling something—goods, service, or goods with service: why, then, be ashamed of doing so and stigmatise the process as commercialism? Solemn nonsense about ethics will not help.

When Pharmacies Are No More

The article "The First Burroughs Scholar" (pp. 373-76) is a fitting tribute to a useful career. Mr. Edgar M. Chapman's versatility supplies a convincing answer to pessimists who hold that scholastic distinction is incompatible with the successful ownership of a business. As you point out, Mr. Chapman was the local treasurer at the Scarborough meeting of the British Pharmaceutical Conference in 1921. I shall always remember with gratitude the work of the Scarborough Local Committee in overcoming the depressing effect of a strike added to that of "D.O.R.A.", certain defence regulations still hanging over us then after the war of 1914-18. And now, after looking at the shop fronts shown on pp. 374-75, I turn to p. 381 and read Mr. Adam A. Meldrum's forecast that "pharmacy of the future would not be conducted in shops." Where, then, asks the ingenuous reader, will it be conducted? Mr. Meldrum's next sentence tells us: "They would have pharmacists of the highest standard in complete control working in harmony with other professional men in Health Centres." Whether the ambiguity of "in complete control" is diplomatic or accidental I do not know; nor can I interpret the phrase. Does the speaker mean that the pharmacists of the future—the near future, he insists—will be in complete control by other persons or that they will be in complete control of other persons? The habits of the British public are, I suggest, too firmly rooted to be easily changed; but if it comes about that popular remedies can no longer be obtained in pharmacies, their sale will in all probability go either to owners of drug stores or to any class or classes of trader finding a sufficient motive for stocking them.

British Pharmacopœias

In his article on British Pharmacopœias (p. 370), Mr. John Rae records his surprise that pharmacy students to whom he recently talked knew extremely little about any B.P. earlier than that of 1932. The fact is undoubtedly surprising, the more so as, according to the latest information that I have seen, the final examinations for both diplomas of Pharmaceutical Society include as a subject pharmaceutical history "from A.D. 1600." The history of pharmacy includes, presumably, that of pharmacopœias, at any rate of those published in this country. In my remaining space I shall be able to notice only one of the British set. I select the first. The review of this book contributed to THE CHEMIST AND DRUGGIST in 1864-65 by Mr. J. C. Braithwaite and Mr. J. C. Brough is still of interest to students of pharmaceutical history. These authors showed, for instance, that from 1618 to 1851 inclusive thirteen London Pharmacopœias, including reprints but omitting the "bad shot" of May 1618, were issued; and that the number of Edinburgh Pharmacopœias and their reprints from 1699 to 1841 inclusive was sixteen. It may be that the critical faculty was more highly developed among Scottish medical men and pharmacists than among their English colleagues. The authors pointed out that the 1864 B.P. had involved the "enormous" outlay of £6,000, an average of £13 10s. 3d. per page. Dealing with the preface, they discussed differences of opinion on weights adopted.

Xrayser

COMPANY NEWS

R. & F. Smith (Chemists & Opticians), Ltd. (P.C.).—Capital £1,000. Rowland Smith and Frederick W. Smith, directors. R.O.: 161 Rutland Street, Grimsby.

Aranol, Ltd. (P.C.).—Capital £10,000. To carry on business of chemists, druggists, etc. First directors are to be appointed. R.O.: 70 Bridge Road East, Welwyn Garden City.

Franks Of Birmingham, Ltd. (P.C.).—Capital £3,000. To acquire the business of a chemist carried on at 394 Lodge Road, Hockley, Birmingham. Frank W. Smith and Philip W. F. Labrum, directors.

F. P. Ansell, Ltd. (P.C.).—Capital £1,000. To carry on the business of dealers in chemical and toilet requisites, etc. Frederick P. Ansell and Thomas C. Tipping, directors. R.O.: 21 The Square, St. Annes-on-Sea.

Gamlen & Son, Ltd. (P.C.).—Capital £3,000. To carry on the business of pharmaceutical and analytical chemists and druggists, etc. Sydney A. Gamlen and Mrs. Muriel Gamlen, directors. R.O.: 223 York Road, West Hartlepool.

William Roberts (Chester), Ltd. (P.C.).—Capital £2,000. To acquire the business of a chemist and druggist now carried on at 73 Brook Street, Chester, as "William Roberts." John Roberts, Gwendolen M. Hughes, Frank Hack and William R. Cullimore, directors. R.O.: 10 White Friars, Chester.

Claes Tilly Co. (Great Britain), Ltd. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in pharmaceutical preparations, etc., and to adopt an agreement with N. V. Fabriek van Oprechte Haarlemmer Olie v/h "Claes Tilly." The first directors are to be appointed. Solicitors: Kenneth Brown, Baker, Baker, Essex House, Essex Street, London, W.C.2.

The International Bottle Co., Ltd.—Mr. L. G. Reading, one of the company's senior managers, has been appointed a director.

Dubarry Perfumery Co., Ltd.—A final dividend of 10 per cent. has been declared, making a total of 25 per cent. for the year 1946, against 15 per cent. declared in the previous year.

F. W. Hampshire & Co., Ltd.—A final ordinary dividend of 30 per cent. and a bonus of 20 per cent. have been declared, making a total of 70 per cent. for the year 1946, as against 60 per cent. declared in the previous year.

Whiffen & Sons, Ltd.—Fisons, Ltd., Harvest House, Ipswich, announce that they have completed negotiations for the acquisition of the share capital of Whiffen & Sons, Ltd., manufacturing chemists, Carnwath Road, Fulham, London, S.W.6. It is their intention to transfer the shares to Genatosan Trust, Ltd., and that Whiffen & Sons, Ltd., and Genatosan, Ltd., shall work together in close co-operation, Mr. Goodman Whiffen (chairman), Mr. Stanley Whiffen and Mr. Noel Whiffen (directors) remaining on the board of the company.

Timothy Whites & Taylors, Ltd.—Treasury consent has now been received to an issue at par of £1,000,000 3¼ per cent. debenture stock. Holders of the existing 4 per cent. debentures are invited to convert their holdings into new stock and for every £100 of existing stock will receive £100 nominal of new stock, a cash payment of £2 10s., plus interest payments amounting to £1 14s. 7d., less tax. The new stock is redeemable by December 1, 1982. Stock holders also have the right to apply for any new stock not taken up under the conversion offer.

Ascotts Pharmacies (1933), Ltd.—Net profit for the year ended September 30, 1946, was £26,759 against £20,512 for the previous year. Arrears of preference dividends for the two years to December 1936 were paid during the year and it is now recommended that a further four years' arrears of preference dividends be paid, leaving 5¾ years' arrears outstanding. After providing for income tax the carry-forward was £1,473. The extraordinary general meeting (April 22) will consider proposals to delete "1933" from the company's name and for the conversion of shares into stock.

BUSINESS CHANGES

Mr. S. Maurice Netherway, M.P.S., has acquired the business at 19 Electric Parade, South Woodford, Essex, formerly carried on by Mr. R. Evans, M.P.S.

The address of Advance Displays (Angeene Distributing Agents) is 20 Parkside, London, N.W.2, and not as given in a Trade Note recently.

Messrs. J. L. Wallach, M.P.S., and S. M. Wilcox, M.P.S., have acquired the business at 12 Station Parade, Romford, Essex, formerly carried on by Mr. S. Maurice Netherway, M.P.S.

Autopack (London), Ltd. (The Automatic Weighing and Packing Machine Co.), 22 Caroline Street, Birmingham, 3, have transferred their London works to Cuffley, via Potters Bar, Middlesex (Telephone: Cuffley 2600).

Clinical Products, Ltd., have made the following appointments: Mr. W. B. Lynn, advertising manager; Mr. W. A. Fairweather, medical representative for South London, Kent and Sussex; and Mr. J. Sloan, medical representative for North London and the adjacent Home Counties.

BIRTH

FERGUSON.—At Dunfermline Maternity Hospital, on March 30, Janet, the wife of Alexander Collier Ferguson, M.P.S., Craigholm, Woodend, Cardenden, Fife, of a daughter.

MARRIAGES

MCGREGOR-MAUND.—At Honor Oak Park, London, S.E.23, on March 29, Alistair George McGregor, M.P.S., c/o 93 Boveney Road, Forest Hill, S.E.23, to Audrey Mary Maund, London.

RUSSELL-KIRKWOOD.—At Kirkintilloch, on April 3, John Pender Russell, B.Sc., Ph.C., c/o 5 St. Albans Street, Rochdale, Lancs, to Agnes Graham Kirkwood, Lenzie, Glasgow.

DEATHS

BOOTH.—Recently, Mr. Harold Booth, of 262 Lancaster Road, Morecambe, Lancs, aged sixty-eight. Mr. Booth qualified as a chemist and druggist in 1901. He removed to Morecambe thirteen years ago from Ben Rhydding, Ilkley, Yorks, where he was in business. He leaves a wife and one daughter.

DIXON.—On March 27, after a long illness, Mr. Reginald Dixon. Mr. Dixon joined Houghton & Sons, Ltd., camera manufacturers, Holborn, London, nearly forty-seven years ago and continued in the service of the company through various stages of development, representing first Houghtons, later Ensign, Ltd., and subsequently Johnson & Sons, Manufacturing Chemists, Ltd., Hendon. Mr. Dixon is survived by his widow, a son and a daughter.

ENDICOTT.—Recently, Mr. Bassett Endicott, M.P.S., c/o the Midland Bank, 73 New Oxford Street, London, W.1. Mr. Endicott qualified in 1907.

FISHER.—Recently, Mr. John William Fisher, Belvoir Road, Coalville, Leics, aged seventy-five. Mr. Fisher had been in business with his son, Mr. D. K. Fisher, M.P.S., for many years.

HATRICK.—On March 30, Mr. Osborne R. Hatrick, who was associated, until 1937, with W. & R. Hatrick, Ltd., manufacturing chemists, Glasgow. He joined the company, which was founded by his grandfather, as a youth, and continued the association until his retirement as an active partner. He was well known in commercial circles, and served as a deacon of the Incorporation of Skinners, Trade House, Glasgow. He also took an active part in educational and other public affairs.

JONES.—On March 16, Mr. John Gwilym Jones, M.P.S., 28 Beauchamp Road, Clapham Junction, London, S.W.11. Mr. Jones qualified in 1913.

KIRKPATRICK. — On March 11, Mr. Arthur Chichester Kirkpatrick, M.P.S., 9 St. Fillans Terrace, Edinburgh, 10. Mr. Kirkpatrick qualified in 1898.

KNOTT.—At 47 Collingwood Avenue, Muswell Hill, London, N.10, on March 11, Mr. William Richard Knott, aged seventy-six. For many years Mr. Knott represented R. J. Reuter Co., Ltd., Slough, in Birmingham and the Midlands, Yorkshire and Ireland. He joined the company in 1899 and retired in September 1939.

WAITE.—On February 23, Mr. Herbert Shuttleworth Waite, 8 Fitzroy Drive, Leeds, aged seventy-seven. Mr. Waite qualified as a chemist and druggist in 1892.

WATSON.—On March 20, Mr. Edward Watson, M.P.S., 131 Wilford Road, Nottingham, aged seventy-two.

WITHAM.—On March 29, Mr. Charles Richard Witham, 4 Newton Wood Road, Ashtead, Surrey. Mr. Witham was for many years representative in the London area of Alf Harrison & Sons, Ltd., chemists' printers, Leeds.

WILLS

MR. SYDNEY EWART SPENCER, M.P.S., 11 Junction Lane, Sutton, St. Helens, Lancs, left £1,640, with net personalty £1,008.

MR. JOHN LESLIE WOODCOCK, M.P.S., 602 Liverpool Road, Irlam, Lancs, left £68.

MR. CHRISTOPHER HOUNAM, M.P.S., Hollybush, Duns, Berwickshire, left £5,573.

MR. WILLIAM VALLANS, M.P.S., 2 Southway, North Harrow, Middlesex, left £5,579, with net personalty £1,080.

MR. ANGUS MACKAY, M.P.S., 193 The Broadway, West Hendon, London, N.W.9, left £21,971, with net personalty £20,034.

MR. WILLIAM ANDREW THOMAS, M.P.S., Coombe Cot, Callington, Cornwall, left £1,799, with net personalty £265.

MR. ALFRED GEORGE ERNEST FOSTER, M.P.S., 42 Redcliffe Hill, Bristol, left £2,665, with net personalty £1,922.

MR. HARRY MUNKMAN HAMES, M.P.S., 14 Granville Street, Boston, Lincs, left £1,571, with net personalty £1,458.

MR. ROBERT CECIL OWEN, B.SC., M.P.S., 52 Hough Green, Chester, left £4,799, with net personalty £2,149.

MR. ERNEST ALBERT DIXON, M.P.S., 11 Fairfield Road, Ainsdale, Southport, Lancs, left £5,581, with net personalty £5,520.

TRADE NOTES

Five-day Week.—A. Elder Reed & Co., Ltd., 103 Battersea High Street, London, S.W.11, have been operating a five-day week since April 1.

Powdered Liquorice.—Stafford Allen & Sons, Ltd., Wharf Road, London, N.1, state that stocks of powdered liquorice extract (powdered "block juice") are now available; inquiries are invited.

Baby Balances.—The Portia baby balances and weighing outfits issued by Solport Bros., Ltd., 184 Goswell Road, London, E.C.1, are again in production, at prices which were given in the *C. & D.*, April 5, p. 367.

Distribution in India.—For distribution of drugs, proprietary medicines, toilet and surgical preparations in Northern India, the Edward Medical Hall, Gujranwala, offer their services as manufacturers' representatives.

Reduced Price.—Glaxo Laboratories, Ltd., Greenford, Middlesex, state that reduced prices for Berin vitamin B_1 tablets will be in operation from April 14. Trade discount is unchanged. Details of the new prices may be obtained from the makers.

Bottle Crates Wanted.—In this issue, Wood Bros. Glass Co., Ltd., Barnsley, Yorks, make an appeal for the return of crates and packing cases for delivery of glass bottles. Shortage of these at the glass-works is impeding deliveries.

"Plastic Skin." — Portland Plastics, Ltd., 6 Victoria Street, London, S.W.1, offer a free testing sample of their Portex medicated plastic skin, trade terms for which are available on application to the makers.

Electric Blankets.—Described as "the safe blanket," the Nelson Safety electric heat blanket, which is thermostat-controlled and shockproof, is available through wholesalers from the Electro-Medical Blanket, Co., Ltd., Manchester.

New Factory.—Koray, Ltd., who have opened a new factory, Golden Mile Works, at Bridgend, Glamorgan, are transferring plant there from Blackpool and London for the manufacture of Koray analgesic tablets, Betalax laxative drops, Melio pills, and Harrogate health salt.

140 Years in the Trade.—S. Maw, Son & Sons, Ltd., Aldersgate House, New Barnet, Herts, point out that the company has been in operation now for 140 years. Services are offered in the distribution of sundries, proprietary, medicinal and toilet preparations, shopfitting, etc.

Sole Distributors.—Finley-Kale, Ltd., 21 Balham Hill, London, S.W.12, have been appointed sole distributors in England and Wales for Wendy brand products, manufactured by College Laboratories, Ltd., Bristol. The preparations are available for sale exclusively through chemists.

Romany Herbs.—Ashfields, manufacturing chemists, 2 Percy Street, Belfast, Northern Ireland (Northern Ireland agents and distributors: Harold Mitchell & Co., 321 Grosvenor Road, Belfast), offer Ashfields Romany herbs for use in rheumatism, constipation, etc. Show material is available.

In Readiness for Summer.—Chemists are recommended by Rodmill Chemical Co., Ltd., 2 Islington Row, Liverpool, 3, to prepare now for an expected heavy summer demand for Tick insect powder and Didit powder and liquid insecticides and fly papers. Bonus terms are available on application to the company.

Laboratory Advice. — The Watford Chemical Co., Ltd., 30 Baker Street, London, W.1, offer to advise on the correct emulsifiers to be used in the preparation of pharmaceutical products. Experimental quantities of the Estax range of higher alkyl esters of carboxylic acids are available at present; larger supplies are due to follow shortly.

Vitamin B_1 in New Strengths.—The British Drug Houses, Ltd., London, N.1, have added 10-mgm. and 25-mgm. strengths of vitamin B_1 tablets, B.D.H., to their range. The new sizes will be available from April 14. They correspond to tab. aneurin. hydrochlor., N.W.F., and may be dispensed when the N.W.F. preparation is ordered on prescription. Terms are given in the company's announcement.

Swiss Industries Fair.—2,100 stands, occupying an area of 80,000 sq. metres have been booked at the Swiss Industries Fair to take place in Basle, April 12-22. Arrangements for priority reservations on special aeroplanes to be flown from London on April 10, 15, 17, 19, 22 and 24 may be made through the Press agent to the Fair: Mr. W. H. T. Tayleur, 66 Avenue Chambers, Vernon Place, London, W.C.1

Exhibition Centre.—The London Exhibition Centre, which is under the management of Léon Goodman Displays, Ltd., New Coventry Street, London, W.1, is available to trade associations, industrial undertakings, etc., for staging of exhibitions, and similar functions, and can be hired for any period from a day to a month. Details of available dates, rentals and services provided may be had on application to the controller.

French Proprietaries.—The ANGLO-FRENCH DRUG CO., LTD., 11 Guilford Street, London, W.C.1, are now in a position to supply a number of "ethical" pharmaceutical products manufactured in France, and which have not been available for some years.—Elsewhere in this issue WILCOX, JOZEAU & CO., LTD., 74 White Lion Street, London, N.1, give names and prices of a number of recently imported French proprietaries.

Transparent Packages.—A new factory for the manufacture in Britain of Pliofilm transparent packaging material is being built at Wolverhampton by the Goodyear Tyre & Rubber Co. (Great Britain), Ltd., Wolverhampton. It is anticipated that sufficient Pliofilm will be produced at the factory to meet the demands for this product from Great Britain. Pliofilm is extensively used in the United States, especially in the packaging of foods.

Sun Glasses.—A wide range of designs of sun glasses is offered by the HIGHGATE OPTICAL MANUFACTURING CO., LTD., 44 Hatton Garden, London, E.C.1. Names and addresses of stockists are given in the company's announcement elsewhere in this issue.—The POTTERIES TOILET CO., LTD., Wharf Street, Stoke-on-Trent, Staffs, have a limited supply of sun glasses and clip-ons in white and tortoiseshell finishes.—VANITIES (LONDON), LTD., 222 Shaftesbury Avenue, London, W.C.2, invite inquiries, through wholesalers named in an announcement on another page, about their Protespec plastic sun glasses.

Paris Fair.—The Foire de Paris, thirty-sixth in the series, is to take place from May 10-26. This year the area of the Fair has been increased by about twenty-five acres, to a total of 125 acres, claimed to be the largest permanent exhibition grounds in the world. In 1946 there were 120 British exhibitors at the Fair, and it is expected that the number this year will be greater. A special department for dealing with travel and accommodation of intending visitors has been set up by Thomas Cook & Son, Ltd., Berkeley Street, London, W.1, and persons wishing to attend the Fair should get in touch with the company's Post Order Department, 18848/SH (Telephone: Grosvenor 4000, extension 540).

Agar Production in Britain.—Paines & Byrne, Ltd., Bilton Road, Greenford, Middlesex, point out that prospects of agar production in Britain, far from being "remote," are most promising. Good stocks are now available of agar produced from seaweeds gathered in the waters around Great Britain and Ireland, despite the fact that harvesting in 1946 was impeded by bad weather, and natural drying hampered by the exceptional rainfall. Building difficulties, inevitable in the expansion of a new industry in present circumstances, are being overcome. Moreover, following the recent visit to the United States of a director of the company, new plant is on its way that will enable production to be stepped up. The production of agar by the company was described in an article "Agar Production in Britain" which appeared in the *C. & D.*, 1945.I.616.

Proprietary Articles Trade Association

Alterations to Protected List.—*Curacho Co.*, Restoration of small size, Curacho waters oil-less embrocation, 3-oz., 16s. 2d. doz., tax 2s. 8d. doz., inclusive retail price 2s.

Glaxo Laboratories, Ltd., Increased prices, April 7: Glucodin, 1-lb., 2s. 3d., 20s. 3d. doz.; 3-lb., 6s., 54s. doz. Included in direct display parcels at 18s. and 48s. doz. respectively.

Lofthouse & Saltmer, Ltd., Increased prices, April 1: Halibut-liver oil, boxes of twenty-four capsules, 2s., 15s. 6d. doz.; sixty capsules, 4s. 6d., 34s. 6d. doz.; bottles of ¼ oz. oil, 2s. 3d., 17s. 6d. doz.; ½ oz. oil, 4s. 6d., 34s. 6d. doz. (exempt from tax).

Parke, Davis & Co., Increased prices, April 14: Shaving cream, Parke Davis, 14s. 4d. doz., tax 5d. each, i.r.p. 2s. 2½d.

Potter & Clarke, Ltd., Increased prices in Eire: Potter's asthma remedy and cigarettes, 2s. 6d., 20s. doz.; asthma pills, 1s. 3d., 10s. doz.; 2s. 11d., 23s. doz.; smoking mixture, 1s. 4d., 10s. 6d. doz. Carter's cough remover, 1s. 5d., 11s. 3d. doz. Thompson's dandelion coffee, 4-oz., temporarily discontinued; 8-oz., 2s. 10d., 22s. 6d. doz.; 16-oz., 4s. 10d., 38s. 6d. doz.; essence, ¼-lb., 1s. 5d., 11s. doz.; ½-lb., 2s., 15s. 6d. doz. Slippery elm and honey, temporarily discontinued.

Riddell Products, Ltd., Dritax inhaler, 18s., 132s. 6d. doz. Riddosan inhaler, 9s., 64s. 9d. doz.

Voltas, Ltd., Increased prices, April 1: Voltas, 1s. 4d., 12s. 3d. doz. (exempt from tax). Less 2½ per cent. for cash in ten days.

PERSONALITIES

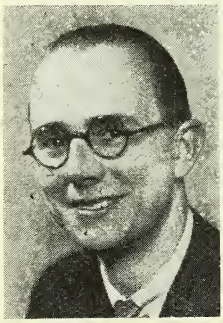
Mr. J. T. Briggs, M.P.S., 42 Market Street, Carnforth, Lancs, was successful in the recent Carnforth urban district council election.

Mr. H. Humphreys Jones, F.R.I.C., Ph.C. (principal, Liverpool School of Pharmacy), has been elected a life governor of the British and Foreign Bible Society in recognition of his service to the Society as president of the Liverpool Branch.

Dr. Otto Robert Frisch (head of the nuclear physics division of the atomic energy research establishment, Harwell, Berks), is to receive the honorary degree of Doctor of Science from the University of Birmingham at a forthcoming degree-day ceremony.

Dr. Margaret M. J. Sutherland (senior lecturer in inorganic chemistry, Royal Technical College, Glasgow) recently retired after being associated with the College for forty-two years. One of the first women students in the College, Dr. Sutherland graduated in 1909, was appointed Nobel, and later Carnegie Research scholar, and in 1914 was awarded the degree of D.Sc. She is the author of numerous research publications, and of a textbook on metal ammines. Her work has also included research in conjunction with the Royal Society on drug intermediates.

Mr. John Walker Blundell, M.P.S., (president of the recently formed Junior Branch of the Blackpool Branch of the Pharmaceutical Society), is a director of Walker Blundell, Ltd., chemists, 157 Red Bank Road, Bispham, Blackpool. After an apprenticeship with Mr. J. Yates, M.P.S., Blackpool, Mr. Blundell studied at the College of the Pharmaceutical Society, London, becoming a member of the committee of the students' association at the College, and qualifying in 1934. The Junior Branch, Mr. Blundell points out, is open to all members of the Blackpool Branch under forty years of age, and to student associates. Lectures, sporting and social events and similar functions are to be arranged.



COMING EVENTS

Monday, April 14

West Kent Branch, Pharmaceutical Society, Central Library, Beckenham Road, Beckenham, at 7.30 p.m. Address by Mr. H. N. Linstead, M.P. (secretary, Pharmaceutical Society).

Merseyside Branch, National Association of Women Pharmacists, Bradford Hotel, Tithebarn Street, Liverpool, at 7.30 p.m. Mr. A. Munroe on "Blood Transfusion."

Birkenhead and Wirral Pharmacists' Association, Grange Road Methodist Schoolroom (Horatio Street entrance), Birkenhead, at 8 p.m. Showing of film "The Preparation of Diphtheria Antitoxin and Prophylactic."

Tuesday, April 15

British Plastics Federation, Savoy Hotel, London, W.C.2, at 1 p.m. Annual luncheon.

Liverpool Chemists' Association, Royal Institution, Liverpool, at 7.15 p.m. Annual meeting.

Liverpool Branch Pharmaceutical Society, Royal Institution, Liverpool, at 8 p.m. Annual meeting.

Worthing Branch, National Pharmaceutical Union, Chamber of Trade, South Street, Worthing, at 7.30 p.m. Mr. R. H. Kemp, Ph.C. (local organisation officer, N.P.U.), on "The National Health Service As It Will Affect You."

West Ham and East Metropolitan Branch, Pharmaceutical Society, Stratford Church Institute, 27 Romford Road, London, E.15, at 7.45 p.m. Mr. J. E. Shepherd (Ilford, Ltd.) on "The Manufacture of Photographic Materials." (In place of meeting originally arranged for April 16.)

Agriculture Group, Society of Chemical Industry, Physical Chemistry Lecture Theatre, Royal College of Science, London, S.W.7, at 2.30 p.m. Dr. N. Pizer on "The Advisory Chemist and Problems in Crop Production."

Wednesday, April 16

West Sussex Branch, National Pharmaceutical Union, Osborne Bros. & Marsh's Café, 47 High Street, Bognor Regis, at 7.30 p.m. Mr. R. H. Kemp, Ph.C. (national organisation officer, N.P.U.), on "The National Health Service As It Will Affect You."

Royal Institute of Chemistry, Wellcome Research Institution, Euston Road, London, N.W.1, at 6.30 p.m. Dr. W. Kent-Jones on "Modern Trends in Cereal Chemistry."

Thursday, April 17

Manchester Pharmaceutical Association and Manchester Branch, Pharmaceutical Society, Council Chamber, Houldsworth Hall, Manchester, at 7.45 p.m. Annual meeting.

Blackpool Branch, National Pharmaceutical Union, Booth's Cafe, Talbot Square, Blackpool, at 7.30 p.m. Mr. G. A. Mallinson (secretary, N.P.U.) on "Pharmaceutical Prospects."

London Section, Chemical Society, Burlington House, Piccadilly, London, W.1, at 7.30 p.m. Discussion on "Electrolytic Solutions," arranged by Professor C. W. Davies, D.Sc., F.R.I.C.

Friday, April 18

London Branch, Guild of Public Pharmacists, 17 Bloomsbury Square, London, W.C.1 at 7 p.m. Members' night.

Saturday, April 19

London Section, Royal Institute of Chemistry, Lysbeth Hall, Soho Square, London, W.1, at 6 p.m. Dinner and dance.

C. & D. DISPENSING PRICE LIST

THE following price changes which took place during March should be noted :—

Cost d.	per	*Due allowance has been made for purchase tax in both cost and dispensing prices*	Dispensing price 4 oz. s.	d.	1 oz. s.	d.	1 dr. s.	d.
60	lb.	Alcohol lanæ ..	2	2	0	7½	—	
51	lb.	Ammon. bromidum ..	1	10	0	7	0	1
66	oz.	Caffeina	—		—		1	6
37	oz.	Caffeinæ et sodii benzoas	—		—		0	10
59	oz.	Caffeinæ et sodii iodid.	—		—		1	4
38	oz.	Caffeinæ et sodii salicyl.	—		—		0	10
42	oz.	Caffeinæ citras ..	—		—		0	11
42	oz.	Camphora monobromata..	—		—		0	11
45	lb.	Chloroformum ..	2	5	0	8	0	1½
15	oz.	Collod. salicyl. co., B.P.C. P.I.(9)	—		2	3	0	4
13	oz.	Copaiba	—		1	11	0	3½
36	dr.	Dithranol .. per	r gr.		0	1½	5	3
16	oz.	Ext. aloes Soc. pulv.	—		1	4	0	4
53	gr.	Gelseminæ hydrochlor. S.I.(4) .. per	r gr.		7	10	—	
150	lb.	Hydrargyrum ..	5	5	1	6	0	3
84	lb.	Hydrarg. cum creta	3	0	0	10	0	2
25	oz.	Iodoformum ..	—		3	9	0	7
77	lb.	Linctus camph. co., B.P.C. P.I.(13)	3	1	0	10	0	1½
17	oz.	Ol. anisi	—		2	6	0	6
84	oz.	Ol. myristicæ Ang.	—		12	4	2	0
64	oz.	Ol. pulegii exot. ..	—		9	4	1	6
51	oz.	Phenazonum ..	—		7	8	1	1
59	lb.	Pigment. iodi co.	2	8	0	9	0	1½
49	lb.	Potassii bromidum	1	9	0	6	0	1
183	lb.	Potassii iodidum	6	6	1	11	0	3½
126	lb.	Pulv. rhei co. ..	4	7	1	3	0	2½
47	lb.	Sodii bromidum..	1	8	0	6	0	1
18	oz.	Sodii iodidum ..	—		2	8	0	5
48	oz.	Sulphathiazolum ℞ only	—		7	0	1	0
65	oz.	Theobromina ..	—		9	6	1	6
40	oz.	Theobrom. et sodii salicyl.	—		5	10	0	10
98	lb.	Ung. hydrargyri..	3	6	1	0	0	2
56	lb.	Ung. hydrargyri dil.	2	0	0	7	0	1

U.S. NATIONAL FORMULARY

THE eighth edition of the United States National Formulary, which became official in the U.S. on April 1, and which contains 188 new admissions, represents four years of planning by the American Committee on the National Formulary, the staff of the American Pharmaceutical Association Laboratory and the workers in American institutional, governmental and industrial laboratories.

Most of the U.S. Pharmacopœia XII drugs to be discontinued in the U.S.P. XIII have been admitted to the new National Formulary as the Committee believes that the drugs, possessing therapeutic merit, will continue to be used for some time. Drugs admitted from the U.S.P. XII include :—

Nux vomica tincture	Chaulmoogra oil
Hyoscyamus extract	Quinine ethylcarbonate
Bitter almond oil	Strophanthin
Chloramine T.	Chenopodium oil
Mandelic acid	Brandy
Thymol iodide	Whisky
	Colchicum seed

while admissions of drugs not originally in the U.S.P. XII include :—

Acetarsone	Ephedrine sulphate
Alcohol rubbing compound	and phenobarbital capsules
Aminoacetic acid elixir	Ferrous sulphate syrup
Calcium levulinate	Sun tan ointment
Colloidal silver iodide	

Halazone and succinchloramide, substances used in the disinfection of water, are included for the first time in a book of drug standards.

Arrangement of Monographs

One of the chief alterations in layout is the listing of drugs under their English names, with their Latin names taking second place. Monographs are arranged alphabetically, but in a different order from previously, terpin hydrate, for example, being followed by terpin hydrate and codeine elixir, and terpin hydrate elixir; while acetarsone is followed by acetarsone tablets. A marginal index is included throughout the book. Structural formulæ of organic compounds, in addition to the empirical formulæ, continue to be given. The book is printed on cream paper.

The National Formulary is now being continuously revised, and as new standards or formulas are devised they are to be made known in the form of interim revisions or supplements.

NATIONAL PHARMACEUTICAL UNION

THE twenty-sixth annual meeting of the National Pharmaceutical Union was held in London on March 25, Mr. H. Steinman (chairman) presiding. Presenting his report, THE CHAIRMAN remarked that the year had been the first complete one since the cessation of hostilities. He offered his thanks, on behalf of the Executive, to the secretary and staff for their part in the work done.

Arising out of the chairman's report, a suggestion was received that the benefits of the N.P.U. War Distress Fund should be broadened to permit grants being made to apprentices and students who were dependants of ex-Service men to assist them with their pharmaceutical education where assistance was considered necessary. The chairman's report was adopted on the motion of THE CHAIRMAN, seconded by MR. W. TALVAN REES, Cheltenham. The treasurer (MR. A. R. MELHUISH) moved adoption of the accounts; MR. W. J. TRISTRAM seconded and the motion was carried.

THE CHAIRMAN said he had to acknowledge with regret the loss of services of Messrs. John Hague, Lincoln, and J. E. French, Sittingbourne, both founder-members of the Union, who had served it continuously during the previous twenty-six years. Mr. Hague had decided to retire, and Mr. French had been outvoted in the recent Executive election. MESSRS. HAGUE and FRENCH suitably replied, the latter adding his congratulations to Mr. D. W. Hudson, Brighton, who would take his place as representative of Southern Section 1. Mr. J. F. McNeal was congratulated by MR. REES on his re-election. The meeting closed with a vote of thanks to the chairman.

Monthly Meeting of Executive

Meetings of the N.P.U. Executive and of the directors of the Chemists' Defence Association were held in London on March 25 and 26. Reports of the Accounts Committee and of the treasurer, both submitted by MR. A. R. MELHUISH, were received and adopted.

Penicillin Bill

THE SECRETARY drew attention to the Bill (*C. & D.*, March 15, p. 286) under which supplies of penicillin and penicillin preparations to members of the public were obtainable only on doctors', dentists' and veterinary surgeons' prescriptions. This had received its second reading in the House of Lords. [Subsequently it passe through all stages there.] Supplies of pen cillin and penicillin preparations to whol salers, doctors, dentists and veterinar surgeons were exempted, he pointed ou from the prescription control.

A letter of thanks had been receive said the secretary, from the Wholesal Drug Trade Association, thanking th N.P.U. for its support in the successfu efforts made to secure exemption for firm own vehicles from the forty-mile limit a envisaged under the Transport Bill.

Pricing of N.H.I. Prescriptions

Arrangements had been agreed with th Ministry of Health to use the January pri ing charts, suitably revised, for pricin February prescriptions, so as to avoid undu delays in paying chemists' accounts. Th arrangement had been deemed necessar because of difficulties encountered, owin to the fuel crisis, in printing the Februar charts, and would take into account th increased prices of dressings and a numbe of drugs.

The attention of the Ministry of Foo had been directed to the probable need fo some adjustment of soap rations to obviat anticipated shortages of supplies in period 12 and 13, resulting from delivery delays i periods 8 and 9; an assurance had bee received from the Minister that a suitabl adjustment would be made if this shoul become necessary.

National Pharmaceutical Service

MR. W. J. TRISTRAM (chairman of th Joint Committee on a National Pharmaceu tical Committee) submitted a report o matters that had arisen since the previou meeting. It was too early, he said, to repor on the result of the census at present being taken. Representatives to serve on th Pharmaceutical Standing Advisory Committee that was to be set up under th National Health Service had been selected in anticipation of an invitation being received from the Minister of Health to submit names. The report was received. It was decided to hold a conference of representatives of Pharmaceutical Committees to discuss rural area dispensing.

C.F. Association

The report of a meeting of the C.F. Council held on March 6 was received. Reports of meetings of the Publications and Price List Committee, held on March 24,

and of the Business Services Committee, held on March 25, were received and adopted.

Chemists' Defence Association

Settlements of claims dealt with by the C.D.A. on behalf of members included payments of £11 10s. for doctors' fees and damage to an electric fire and clothing arising out of a sale of camphorated oil in error, £3 10s. for damages to clothing due to sulphuric acid being supplied to a firm of cleaners when sulphurous acid was ordered, and £30 for personal injuries and loss of wages due to personal disability caused by a member's sunblind. Requests for legal advice dealt with by the Union's solicitors referred to such items as change of name, divorce, a claim for damages due to burst water-pipe, members' contracts, a will, and tenancy agreements.

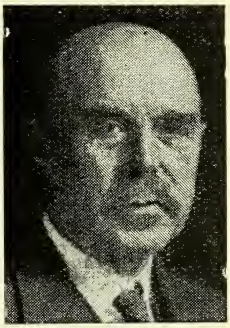
Luncheon to Chairman

At a luncheon given by members of the Executive in honour of their chairman on March 24, Mr. G. H. M. Graham (vice - chairman) proposed the health of the guest of honour, who, he recalled, had been unanimously elected to office. He reminded his colleagues of the important pharmaceutical events of the year, and of the active part taken in them by Mr. Steinman, especially as a member of the deputation to the Ministry of Health at which the 30 per cent. addition to drug costs had been secured for contractors. Responding, the Chairman said he had experienced solid support from the Executive and encouragement from the secretary, officers, and staff. He had good reasons to believe that the National Pharmaceutical Union stood highest in prestige among pharmaceutical organisations. Retail pharmacy looked to the Union to secure for its members a proper place in the National Health Service, and complete loyalty to the Union by its members was essential if it was to function as envisaged by those responsible for directing its efforts. The Secretary acknowledged the chairman's "kindly remarks."

Mr. H. Steinman

Presentation to Mr. Hague

The Chairman then, on behalf of the Executive, asked Mr. John Hague, Lincoln, to accept an engraved fountain pen upon his retirement from the Executive after twenty-five years' continuous service. He felt sure Mr. Hague would look back with pride, and with many pleasant recollections, on his long span of contact with friends on the Executive. Mr. French supported. He said he had been associated with Mr. Hague in the old Local Associations Executive. The association had been a pleasure to him, and pharmacy was deeply indebted to their colleague. The Treasurer (Mr. A. R. Melhuish), who had also been associated with Mr. Hague prior to the foundation of the Union, wished him many years of happy retirement; Mr. H. H. Marshall further emphasised the Executive's appreciation of Mr. Hague's services. Acknowledging the gift, Mr. Hague thanked his fellow members for their good wishes, and said he would treasure the many pleasant recollections of his visits to London.



Mr. John Hague

FIFTY YEARS AGO

Drugs by Sample Post

(*From the C. & D., April* 10, 1897)

Mr. A. Domeier and Mr. Thomas Christy were members of a deputation from the Associated Chambers of Commerce which waited upon the Postmaster-General on Tuesday, to call his attention to the restrictions in the way of sending samples by post. Mr. H. O. Arnold-Forster, M.P., who introduced the subject, said that the authorities declined to allow liquids to be sent by sample post because they held that no form of package could be devised that would make such carriage safe. Yet in every foreign country liquids were carried as samples, and there were no complaints. At present merchants on the continent were sending thousands of samples to our colonies in this way, and the English merchant who wanted to send liquids in this manner had to send his samples to France or Belgium to be forwarded thence.

COMPATIBILITY OF BACTERICIDES WITH INJECTED DRUGS

Abstract of a paper by Miss Janet S. McEwan, B.Sc., Ph.C., and M George H. Macmorran, Ph.C.

A PAPER entitled "The Compatibility of Some Bactericides with Substances Commonly Used in Parenteral Injections" was read by Mr. G. H. Macmorran at a recent Evening Meeting of the North British Branch of the Pharmaceutical Society.

Since "heating with a bactericide" became an official method of sterilisation and certain medicaments in the Fourth Addendum to the B.P., 1932, several instances of incompatibility of the medicament with the bactericide used have been noted. "Heating with a bactericide" is also officially directed for injections dispensed in multiple dose containers. A bactericide may therefore be necessary for any substance used in parenteral injections except (1) those for intrathecal or intracisternal use; and (2) where the substance is so unstable that it decomposes in solution and must therefore be dissolved in sterile water immediately before use.

The officially recommended bactericides in the Fourth Addendum are chlorocresol in a concentration of 0.2 per cent., and phenylmercuric nitrate 0.002 per cent. either of which may be used in the process of "heating with a bactericide." When the container of the injection is sealed so as to permit the withdrawal of doses on different occasions, no statement is made as to which bactericide should be present, the official wording being "the solution or preparation of the drug contains a suitable bacteriostatic agent in such a concentration as will prevent the growth of micro-orga isms."

It is evident that a wide range possible incompatibility exists. It was ther fore decided to investigate the behaviou of some of the more usual bactericides whe in solution with substances which are fr quently administered in parenteral inje tion.

Bactericides Used

Each medicament tested was dissolved i a solution of each of the following bacter cides:—(1) Chlorocresol 0.2 per cent (2) chlorocresol 0.1 per cent., (3) phenyl mercuric nitrate 0.002 per cent., (4) chlo butol 0.5 per cent., (5) phenol 0.5 pe cent., and (6) cresol 0.3 per cent. Test were carried out to ensure that the variou bactericides, in the concentrations used were efficient in preventing the growth o micro-organisms. As stock solutions o bactericides are frequently used, the *p*H o the bactericidal solutions was first measure when freshly prepared and again afte standing for some weeks. The change i *p*H was negligible, and did not suggest an decomposition of the bactericide on storage.

To provide as stringent a test as possible, the maximum dose of the drug was present in 1 c.c. of solution where practicable. Otherwise a strength approaching a saturated solution was used, or a strength approaching the maximum concentration normally used in parenteral injections. The

TABLE I

Medicaments yielding bright solutions with all bactericides tested

MEDICAMENT	STRENGTH	MEDICAMENT	STRENGTH
Adrenaline hydrochloride	0.1 per cent.	Iron and ammonium citrate (green)	1 gr. in 1 c.c.
Amylocaine hydrochloride	½ gr. in 1 c.c.	Iron cacodylate	¾ gr. in 1 c.c.
Antimony and potassium tartrate	¾ gr. in 1 c.c.	Morphine salts	½ gr. in 1 c.c.
Antimony and sodium tartrate	¾ gr. in 1 c.c.	Nikethamide	25 per cent.
Apomorphine hydrochloride	1/32 gr. in 1 c.c.	Papaverine hydrochloride	⅓ gr. in 1 c.c.
Arsenic trioxide	1/12 gr. in 1 c.c.	Penicillin (white)	20,000 units in 1 c.c.
Atropine sulphate	1/60 gr. in 1 c.c.	Pilocarpine nitrate	1/5 gr. in 1 c.c.
Benzamine lactate	3 per cent.	Picrotoxin	1/25 gr. in 1 c.c.
Caffeine sodium benzoate	3 gr. in 1 c.c.	Procaine hydrochloride	10 per cent.
Cocaine hydrochloride	¼ gr. in 1 c.c.	Sodium citrate	5 per cent.
Emetine hydrochloride	1 gr. in 1 c.c.	Sodium salicylate	10 gr. in 1 c.c.
Ephedrine hydrochloride	1½ gr. in 1 c.c.	Strophanthin	1 mgm. in 1 c.c.
Histamine acid phosphate	1 mgm. in 1 c.c.		

strengths of the solutions are stated in gr. per c.c., the customary method in this country, except when the drug is normally prescribed by metric system or in percentage solution.

Table I shows the medicaments, with the strengths used, which gave bright solutions with all the bactericides tested and remained bright after sterilisation by the officially recommended methods.

Table II shows the medicaments which demonstrated incompatibility with one or more bactericides before sterilisation (column 1), or after sterilisation (column 2). P indicates formation of a precipitate; O, opalescence; C, cloudiness; and D, darkening.

Physostigmine Salicylate

All the solutions of physostigmine salicylate (1/50 gr. in 1 c.c.), except that containing chlorbutol, became pink or reddish after sterilisation at 98-100°C. The stronger chlorocresol solution became, in addition, cloudy. When experiments were repeated including sodium metabisulphite 0.1 per cent. in the solutions, all remained bright and colourless. It is therefore suggested that the addition of 0.1 per cent. sodium metabisulphite should be recommended in the official instructions for the sterilisation of physostigmine salicylate.

None of the bactericides tested is compatible with all substances administered by parenteral injections. *Phenylmercuric nitrate,* probably owing to the very small proportion present (0.002 per cent.), is the bactericide which gave fewest reactions with the medicaments tested. *Chlorbutol* also gave few reactions, except when the medicament was present in high concentration, causing "salting out," or on the rare occasion when the alkalinity of the medicament decomposed the chlorbutol on heating. *Chlorocresol* was found to be incompatible with a number of substances and so must be used with care. The fact that a 0.1 per cent. solution may give a bright solution when a 0.2 per cent. solution does not suggest that a reaction may take place even with the weaker solution, but that the product of reaction may be soluble in the weaker concentration. *Phenol* and *cresol* gave few reactions, but for other reasons, such as possible toxicity, they are not nowadays popular as bactericides.

[*From the laboratories of Duncan, Flockhart & Co., Edinburgh.*]

TABLE II

Medicaments exhibiting incompatibility with certain bactericides

Medicament	Strength	Method of sterilisation	Bactericide											
			Chlorocresol 0.2 per cent.		Chlorocresol 0.1 per cent.		Phenylmercuric nitrate 0.002 per cent.		Chlorbutol 0.5 per cent.		Phenol 0.5 per cent.		Cresol 0.3 per cent.	
			1	2	1	2	1	2	1	2	1	2	1	2
Ancurine hydrochloride	25 mgm. in 1 c.c.	Autoclave	—	D	—	D	—	D	—	—	—	D	—	—
Calcium chloride hydrated	20 per cent.	Autoclave	—	—	—	—	—	—	P	P	—	—	—	—
Carbachol	1/2 mgm. in 1 c.c.	Autoclave	—	—	—	—	—	—	—	—	—	—	—	C
Codeine phosphate	1 gr. in 1 c.c.	Autoclave	P	P	P	P	—	—	—	—	—	—	—	—
Diamorphine hydrochloride	1/8 gr. in 1 c.c.	98-100° C	O	O	O	O	—	—	—	—	—	—	—	—
Digitalin	1/10 gr. in 1 c.c.	98-100° C	C	C	C	C	—	—	—	O	—	—	—	—
Ergometrine	1/2 mgm. in 1 c.c.	98-100° C	—	OD	—	OD	—	OD	—	—	—	—	—	OD
Homatropine hydrobromide	1/32 gr. in 1 c.c.	98-100° C	—	—	—	—	O	—	—	—	—	—	—	—
Hyoscyamine hydrobromide	1/100 gr. in 1 c.c.	98-100° C	—	—	—	—	O	—	—	—	—	—	—	—
Hyoscine hydrobromide	1/100 gr. in 1 c.c.	98-100° C	—	—	—	—	O	—	—	—	—	—	—	—
Papaveretum	1/3 gr. in 1 c.c.	98-100° C	P	P	C	C	—	—	—	—	—	—	—	—
Quinine hydrochloride	1 gr. in 2 1/2 c.c.	Autoclave	C	C	C	C	—	—	—	—	P	P	O	O
Sodium cacodylate	1 gr. in 1 c.c.	Autoclave	—	O	—	O	—	—	—	—	—	—	—	C
Sodium chloride	30 per cent.	Autoclave	C	C	C	C	—	—	P	P	—	O	C	C
Sodium glycerophosphate	3 gr. in 1 c.c.	98-100° C	—	—	—	—	—	—	P	P	—	—	—	—
Sodium morrhuate	5 per cent.	Autoclave	—	—	—	—	—	—	—	P	—	—	—	—
Strychnine hydrochloride	1/8 gr. in 1 c.c.	Autoclave	C	C	C	C	—	—	—	—	—	—	—	—

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VOL. CXLVII APRIL 12, 1947 NO. 3503

Compulsory Higher Education

FEAR is writ large in the tactics adopted by the Education Committee of the Pharmaceutical Society in order to secure the adoption by the Council of its proposals for revising the Society's system of education and examinations. Alarmed, no doubt, at the evidences of growing opposition among members of the Society, and even within the Council where previously a docile acceptance had seemed probable, the Committee called a special meeting prior to its normal pre-Council sitting. The report of this meeting was thus excluded from the Committee's routine report submitted at Wednesday's public session, and kept back for private discussion after the unusually brief "public business" had been declared concluded.

That such under-the-counter methods, reminiscent of a war-time practice not followed by the best type of shopkeeper, should have been resorted to by the very persons who have recently made clear their hostility to colleagues who practice pharmacy in shops is a little remarkable and more than a little eloquent. It suggests that they have been taken aback at the strength of the instinct of self-preservation in a class of pharmacists whose eventual disappearance they had decreed and were doing their best to hasten. In the event, the proposals were carried, but it is understood that the discussion upon them was prolonged, and that the minority opposition vote was by no means of negligible proportions.

We have no doubt that the chairman and his committee are sincere in believing that their proposals are in the best interests of the profession. To do good by stealth, however, has never been and is not now a satisfactory and proper course for a public body to take. No doubt the more enenlightened should, on occasion, give a strong lead to those who may have less vision and foresight, but a policy that is right and sound secures consent by persuasion and advocacy, while one that is carried through by snap decisions, manœuvres to silence dissentient voices, and injunctions to "mind your own business" are suspect from the start. Opposition to them will not be thwarted so easily. The Education Committee has grudgingly consented to the admission to the agenda of the Branch Representatives' meeting in September of an "explanation" of the new educational scheme, but continues to hold out firmly against any discussion of them by the uninformed laity of the profession. We wonder whether representatives of the Branches will consent to be muzzled in this way. It is our belief, both (1) that some of them will have strong views to express and will demand the opportunity to put them forward, and (2) that the voting figures in the forthcoming Council election will give some indication of the dissatisfaction of a very large number of them with what has been "put across" and with the way it has been done. In this connexion their opportunity is less clear-cut than it might have been in another year, for the principal protagonists of the proposals on the Council are not among the candidates. There remain a sufficient number of claimants known to have confidence in the future of the chemists' shop for "retail" members of the Society to support and thus demonstrate their will to survive.

F.B.I. and the Economic Outlook

IN an interim statement on the economic outlook, issued on March 31, the Federation of British Industries reviews the nature of the problem with which the country is faced and gives details of proposals to meet and overcome the crisis. In many respects the employers' views and proposals run on similar lines to those outlined in a statement

made last week by the General Council of the Trades Union Congress on behalf of employed workers, the chief differences being concerned with (a) the "shorter hours" problem and (b) the desirability or otherwise of pursuing a policy of nationalisation at the present time.

The problem, as seen by the F.B.I., is so urgent that every effort should be made to bridge the gap between the programme of economic objectives and the resources to carry them out. The Federation urges that the Government should ensure that activities, adjudged essential as short-term objectives shall be fully and continuously supplied with their needs in fuel and materials, while other activities, whether productive or non-productive, shall be cut back. In the forefront of the industries considered "essential as short-term objectives" the report places coal, steel and fuel. Unremitting efforts should be made to supply adequate quantities of all materials, machinery and equipment necessary to build up these basic industries to meet modern requirements, and consultations with industry should be maintained to keep a constant watch upon the export of capital plant. Conflicts between the capital equipment and the export targets should be resolved. In certain cases, notably rail transport, re-equipment at home should be given priority over export. The Government should also collaborate with industry to ensure that the production of capital plant for the industries of prime importance, should take precedence over that for other industries, which may in any case not be able to operate at their maximum activity.

On the subject of the nationalisation of industries, the F.B.I. view is that "to persist in a rushed programme of highly controversial legislation, and to call this putting first things first, is the reverse of leadership, for instead of uniting the country it divides it." "Parliament and industry should," it is added, "be enabled to concentrate upon the economic and production problems of today, and be relieved of the necessity to direct their thoughts and energies on to controversial issues that can be deferred." As an incentive to greater production, the report suggests a reduction in direct taxation to a grades of incomes.

On exports, the report states: "Ther should be regular and continuing consu tation with different industries in order t maintain a constant watch on their abilit to continue selling fully manufacture goods, with an adjustment of policy whe found necessary." While advocating a r duction in direct taxation, the Federatio favours "discriminating increases of exis ing forms of indirect taxation" to counte balance the inflationary effects of reducin direct taxation, which would aggravate th problem of "too much money chasing aft too few goods."

"While holding the view that th country's present unbalanced economi situation is critical and calls for immediat and drastic remedial action, it is our belief, states the report, "that resolute action now coupled with an all-out effort by ever individual to pull his full weight, can an will make our future secure."

A New Agent in Dermatology

A FURAN derivative, 5-nitro-2-furaldehyd semicarbazone, named furacin, is found b Downing and others ("Journal of th American Medical Association," February 1 p. 299) to be of value in the treatment o ulcers caused by gram-positive and gram negative organisms. The drug, which wa applied as a water-soluble dressing (1 i 500) in a vehicle containing carbowax an propylene glycol, is a lemon-yellow crystal line compound soluble in water 1 in 4,200 and in propylene glycol 1 in 300; it may b sterilised by autoclaving, being stable a 120° C., and possesses antibacterial action Results from patch-testing two hundre volunteers indicated that the drug produce little or no sensitising of the normal skin while favourable results were encountere in the treatment of a total of 212 patient having superficial infectious eczematoid dermatitides, impetigo and ecthyma. Care i required to be taken in treatment, however, to avoid sensitisation. The drug does no interfere with granulation or epithelisation of ulcers. Further studies are considere necessary for developing a dressing base that does not liquefy when warmed to body temperature.

EDUCATION COMMITTEE'S FINAL REPORT

The Interim Report of the Education Committee of the Pharmaceutical Society, published on the authority of the Council following its February meeting, dealt with the historical background of pharmaceutical education in this country, criticised the main weaknesses of the present educational requirements, and suggested the general line of future education policy. In its final report, the Committee states that the problems involved in instituting a course of training of the type envisaged in the Interim Report will require time to overcome. The long-term goal should be registration only after the applicant has both successfully attended at least a three-year course of study in pharmaceutical subjects at a school of pharmacy, whether for a degree or a diploma, and completed a period of practical experience under approved conditions. The first and immediate step should be the absorption of the Chemist and Druggist Qualifying examination into the Pharmaceutical Chemist Qualifying examination, for which the course of study would approximate to the first two years of the course for the London degree held under the revised regulations, that is to say, to the present Pharmaceutical Chemist course.

"External" Degrees

At the same time, it is desirable to amend the examination regulations so that students not in attendance at a University granting an approved degree in pharmacy may nevertheless be in a position to take advantage of the opportunity given by the University of London to study for a degree as an "external" student of that University. For this purpose a student must (a) matriculate in the University and (b) either possess a Higher School certificate, with passes at a standard approved by the University in chemistry, physics, mathematics and one biological subject, or pass a preliminary examination of the University in the same combination of subjects. If the Society's examination regulations were amended to require compliance with the foregoing, the Society's Intermediate examination would be redundant. While this should be the objective, there are several practical objections to requiring all pharmacy students to satisfy these requirements at the present time, not the least of which arises from the difference between the systems of secondary education and examination in England and Wales and in Scotland. Thus there is no school examination in Scotland comparable with the examination for the Higher School certificate obtainable in England and Wales. Until this difficulty is resolved, it is proposed that the Society should continue to hold an Intermediate examination, but that at an early date mathematics should be added and the standard of the examination raised, even though, for certain candidates, principally those who have not included science subjects in the matriculation examination, this may necessitate a two-year course for the Intermediate examination.

Registration of Students

It is further proposed that there should be a modification of the present regulations for registration as an "apprentice or student," so as to require students to be in possession of a certificate of London Matriculation standard, or, in the case of a Scottish student, a leaving certificate of the Scottish Education Department showing a pass in mathematics at a higher grade and entitling the holder to a certificate of fitness of the Scottish Universities Entrance Board. Thus it will be seen that although it is not proposed at present to adopt the full requirements for admission to the University of London, the student at a non-university school will, if he has obtained his entrance certificate in England and Wales, be in a better position to proceed to a degree if he so desires than would otherwise be the case. It is felt that the option at present given to Ph.C. students to undergo practical training either before or after the final examination should be retained, but that, where the training is undergone subsequent to the final examination, one year should be sufficient.

It is proposed that all persons registered as apprentice or student before March 1, 1948, should be able to qualify under the present regulations. Nevertheless it is to be hoped that these students will recognise that, although they are being allowed to do this, they would be well advised voluntarily to take the present two years' final course for the Pharmaceutical Chemist Qualifying examination and so ensure that they are no less highly trained than those for whom the two year final course will be compulsory. Although persons registered before March 1, 1948, will be able to qualify under present conditions, it is felt that a limit should be placed upon the period during which they can do so. Dates have therefore been fixed before which it will be necessary for them to pass the Intermediate and Chemist

and Druggist examinations. These dates have been so fixed as to provide reasonable opportunities for persons who have already registered to complete the requirements under present conditions.

The proposals do not affect the possibility of candidates for the approved degrees in pharmacy of the Universities of Glasgo Leeds, London, Manchester and Wal registering by that means. If the Coun desires to offer a Fellowship as the high mark of standing in the profession, con tions affecting its award will need to considered.

PHARMACEUTICAL SOCIETY OF GREAT BRITAI

April Meeting of Council

THE Council of the Pharmaceutical Society of Great Britain met in London on April 1 and 2, the president (Mr. G. R. Knox Mawer) in the chair. THE PRESIDENT congratulated Mr. L. Moreton Parry on having served pharmacy for sixty years. Mr. Parry had begun his apprenticeship in a small town in Anglesey in April 1887, he said, and his long record of service since that time was worthy of a place in the Council's minutes. MR. PARRY made a brief acknowledgment. THE PRESIDENT reported with regret the death of Mr. Matthew Verden Hunter, Ph.D., Ph.C., a member of the Society's board of examiners for Scotland.

Visit to Northern Ireland

THE PRESIDENT, VICE-PRESIDENT and SECRETARY reported upon a visit that they had paid in March to the Pharmaceutical Society of Northern Ireland. The president said that their Irish friends, true to tradition, had been lavish in their hospitality and had given the three visitors a warm welcome, both unofficially and at a meeting of their Council. He believed that the visit would prove to have been helpful to pharmacy in both countries. The vice-president said that the Irish pharmacists had been full of questions about what was going on in Britain in the pharmaceutical world, and that between 300 and 400 had come to hear an address delivered by Mr. Linstead (see *C. & D.*, March 29, p. 349) although the snow lay three or four feet deep at the time.

Penicillin Bill

Reporting on the present position of the Penicillin Bill, THE SECRETARY said that the Bill was now emerging from the House of Lords, and that representations were being made for the Society upon certain points affecting pharmacists. These included the limitation, preferably by definition, of institutions of the nursing-home type to which penicillin could be supplied without a prescription; the conditio under which prescriptions might be d pensed; the range of substances covered the Bill, and enforcement provisions. T Council approved the secretary's action.

Formulary Committee

THE SECRETARY reported that the Fo mulary Committee had now been cons tuted. On the medical side the membe would be: Messrs. A. E. Barnes, J. Burn, V. Zachary Cope, S. A. Forbes, Gray, E. A. Gregg, P. Hamill, D. Hunte E. Lewis Lilley, J. C. Pearce, A. Smith Poo F. R. Winton; the pharmaceutical repr sentatives were: Messrs. H. Berry, B. Bull, H. Davis, P. Dobson, D. W. Hudso H. G. Rolfe, R. H. Rowson, J. W. Soulsb In addition there would be representativ of the Ministry of Health.

Representatives' and Annual Meetings

An inquiry from the Organisation Con mittee whether time should be provided the programme of the Branch Represent tives' meeting for a discussion on educ tional policy was considered by the Educ tion Committee, and it was agreed th arrangements should be made for the d cisions to be explained at that meeting, that the Branches might have a clear unde standing of the position. It was agreed th the annual meeting of the Society shoul be held at noon on Wednesday, May 21.

Nominations

THE SECRETARY reported that fourtee members of the Society (see *C. & D.*, Apr 5, p. 359) had accepted nomination as ca didates for election to the Council. Fo others had declined nominations. The fo lowing have been nominated for election a auditors: Sir Harry Hague, Mr. C. A. Hil Mr. J. S. Hills, Sir Harry Jephcott, and M E. A. Umney.

German Pharmaceutical Society

A letter was submitted from the Germa Pharmaceutical Society in the British an

American Zones announcing that the occupation authorities had given permission for its reconstitution, and asking whether the Society could contribute scientific literature and publications for a proposed information bureau. Members already numbered 300, and the foundation meeting was to be held in May at Hamburg. It was decided to send copies of several of the Society's publications.

Grant to Students

A letter received from the British Pharmaceutical Students' Association asked whether the Society, which had contributed £25 in 1946 to assist the Association in meeting administrative expenses, would agree to make this an annual grant. The request was agreed to after discussion during which some members who urged that the grant should be applied for annually were outvoted.

Sterilisation Instruction

The routine report of the Education Committee, presented by the chairman (Mr. C. W. Maplethorpe) stated that further consideration had been given to the Council's resolution, referred back to the Committee in March, "that steps be taken at the earliest moment to secure that pharmacists are trained in the preparation and dispensing of all preparations containing antibiotics." At the chairman's invitation Mr. Granville Shaw (mover of the original motion) and Professor Berry (Dean of the College) had been present. Mr. Shaw had explained that he was mainly concerned with the qualification of the pharmacist to make and supply penicillin injections for intramuscular use only, and the committee confirmed its previous view that it was not practicable to include second-year sterilisation instruction (primarily for acquiring proficiency in aseptic technique) in the Chemist and Druggist Qualifying course until that course was extended to two years. The Committee understood, however, that all schools of pharmacy gave students in the course introductory training to second-year work so that they could, by further study and experience, secure proficiency in the preparation of penicillin injections. Mr. Granville Shaw informed the Council that he was still of the opinion that in certain quarters a mountain was being made out of a molehill, and he reserved the right to refer to the subject again. The Education Committee's report also stated that an examination for the Polish pharmacists attending a course at Brighton, with a view to their registration by the Society under the Polish Resettlement legislation, would be held on April 18. In reply to Mr. H. M. Hirst, the Secretary stated the number of candidates would be ten or eleven. The Committee called attention to the conditions of award of the Jacob Bell Memorial scholarship, which made it possible for the scholar to follow a two-year course for a degree in pharmacy. In view of the increase in the degree course from two years to three years (see p. 410), the Committee recommended that the award should be made tenable for three years should the scholar wish to follow a three-year final course. The recommendation was adopted. Attention was also called to the National Service Bill, which contained no provision for deferment of students' call-up. The Society had been assured by the Ministry, however, that pharmacy students would, as hitherto, be given reasonable opportunity to complete their studies before being called up for national service; the period of apprenticeship should not exceed what was necessary to satisfy the examination regulations. Messrs. S. M. Hendry, H. Hughson, J. A. Carr and S. Bruce were appointed invigilators and deputy invigilators for the Society's examinations to be held at the Aberdeen and Sunderland centres.

Constitution of the Society

The Council adopted a report presented by Mrs. J. K. Irvine (vice-president of the Society) as chairman of the Committee appointed to consider changes in the Society's Constitution proposed by the Council. The report included a memorandum prepared for presentation to the Branch Representatives' meeting in September.

Law and Finance

The report of the Law Committee, presented by its chairman (Mr. C. Davis), showed that in February the Society's inspectors and agents had visited 1,023 authorised sellers, thirty-five listed sellers, and 436 drug-store proprietors and similar traders. Seven cases of alleged infringements of the Pharmacy Acts and one of the Merchandise Marks Act had been considered and appropriate action taken. Judgment was reported deferred in an appeal brought by the plaintiffs in a "test" action (see *C. & D.*, 1946.II.587) relating to substances recommended as medicines and heard in the Court of Appeal on March

25-27. The Committee had received a report that, in response to representations by the Society arising from the issue by the police of invalid certificates in certain cases, the Home Office was about to issue a directive to police officers throughout the country explaining the legal requirements concerning the sale of strychnine. The report of the Finance Committee, presented by MR. H. C. SHAW (treasurer) recommended approval of the secretary's action in making payments amounting to £2,708 and of the treasurer in paying accounts amounting to £16,636, and recommended also that the trustees of the Pharmaceutical Trust should be requested to reimburse to the Society £1,000, part of the College salaries paid for March 1947.

Examiners for Scholarships and Prizes

The following were appointed examiners for the Scholarships examination, 1947: Business methods, Dr. E. W. Skyrme; botany, Professor R. J. Tabor; chemistry, Professor H. Brindle; English essay, Dr. T. Dewar; languages, Dr. P. Aykroyd; pharmacy, Mr. F. R. C. Bateson. The following were appointed examiners for the Council Prizes examination, 1947: Pharmaceutical chemistry, Mr. J. E. Bowen; pharmaceutics, Professor J. P. Todd; pharmacognosy, Mr. Gordon Perrins; physiology, Professor H. Dryerre.

Concessions in respect of examination regulations were granted to eight candidates. Two applications were not granted. A special concession in respect of the Intermediate examination was granted to one ex-Service candidate. Examination fees were returned to four candidates. Applications from two hospitals, each in respect of one pupil, were approved. It was reported that approval had been granted to twenty-four pharmacies for the training of apprentices.

Benevolent Fund

MR. J. F. MCNEAL (chairman of the Benevolent Fund Committee) presented a report showing that grants amounting to £237 had been made to five widows and two members. A recommended grant of £130 in another case was approved. In three cases no grant was made. The chairman pointed out that the average per member received from the Huddersfield Branch had reached a new high total, and the Council agreed to send a letter of appreciation to the Branch. The list of special contributions included thank-offerings for gift parcels received from Australia and New Zealand — an excellent way, I thought, of acknowledging the generosi of their friends in the Dominions. M A. R. MELHUISH said it should again b placed on record how grateful the pha macists of the United Kingdom were. was decided to send letters of thanks.

Subscriptions to the War Aid Fun during the March quarter totalled £188.

Education and Examinations

The final report of the Education Com mittee, containing recommendations for th future of pharmaceutical education and th Society's examinations (see p. 407) after di cussion in private was adopted after TH PRESIDENT had announced: "That co cludes the public business." In the cours of the discussion, several members we mentioned in the official report of the pr ceedings as having criticised the extensio of the course for the final examination t three years, on the ground that the trainin given in the third year would be unnece sary for retail pharmacists, and the extr year would seriously reduce the number c entrants. MR. GRANVILLE SHAW suggeste that a two-year course should be tried fo ten or fifteen years, and the position the reconsidered. He moved, and MR. F. C WELLS seconded, that all reference to three-year course should be deleted, M Wells declaring that the time and cost in volved were unjustified. Messrs. H. M Hirst, E. A. Brocklehurst and J. C. Youn expressed similar views. The chairman c the Education Committee (MR. C. W MAPLETHORPE), in referring to the three year course, said that a boy or girl who too the Higher School certificate at eightee could qualify, with one year's practica training, by the age of twenty-two. A present candidates did not usually qualif much before that age, and often wer older. Under the Education Act, introduce in 1944, the expense difficulty would b met by State assistance for those wh needed help. He and all the members o the Committee had agreed that they shoulc state a date for the inception of the three year course, and 1952 was a date that gav adequate notice of the change. The motior to delete any reference to a three-yea course was lost, and the Committee's re-commendation approved, MR. HIRST ask-ing that his name should be recorded as having voted against it. The Council in-structed the Education Committee to report by January 1950 on the effect of the new proposal on the intake into pharmacy.

RETAIL WAGE SCALES IN EIRE

Following negotiations between the retail section of the Irish Drug Association and the chemists' branch of the Irish Union of Distributive Workers and Clerks, the weekly wage scales shown below have been adopted for retail pharmacy employees in Eire, with effect from February 1. In addition to those shown in the table, the following weekly rates apply: Qualified assistants during fifth year after apprenticeship, men 110s. 6d., women 96s.; registered druggists managing a druggist's shop, men 118s., women 105s. 6d. The rates for outdoor locum tenentes are as follows: qualified chemists, men 150s., women 132s.; assistants, men 118s., women 105s. In addition, bonuses based on weekly turnover are to be paid to managers as follows: turnover of £70 but less than £80, 3s. 6d.; £80 but less than £90, 7s. 6d.; over £90, 12s. 6d.

Category	Year after apprenticeship							
	First		Second		Third		Fourth	
	Male	Female	Male	Female	Male	Female	Male	Female
Unqualified assistants	71s. 0d.	59s. 6d.	77s. 6d.	66s. 0d.	96s. 0d.	81s. 0d.	103s. 0d.	88s. 6d.
Qualified assistants or Registered druggists	77s. 6d.	66s. 0d.	84s. 6d.	72s. 0d.	103s. 0d.	88s. 6d.	106s. 6d.	91s. 6d.
Qualified chemists	99s. 6d.	87s. 0d.	106s. 6d.	94s. 6d.	125s. 0d.	109s. 6d.	128s. 6d.	114s. 6d.
Qualified chemists (covering shop)	114s. 0d.	99s. 6d.	121s. 6d.	107s. 0d.	140s. 0d.	122s. 0d.	145s. 0d.	127s. 0d.

ULSTER CHEMISTS' ASSOCIATION

At a monthly meeting of the Executive Committee of the Ulster Chemists' Association held in Belfast on April 1, Mr. R. Gibson (president) in the chair, consideration of a revised scale of wages prepared by the Associates' Section and presented to the Joint Council was deferred in response to requests from local associations who wished to be consulted. Miss A. E. Strachan (secretary), who was welcomed on her first attendance at a meeting of the Committee since her appointment, reported that there had been an excellent response from Chemists' Federation wholesalers to a request from the Association for co-operation in discouraging the opening of unregistered drug stores.

A letter was received from the Ministry of Health stating that delay in the payment to chemists of their November accounts was only temporary and had been caused by office difficulties. The town clerk of Belfast, in reply to a letter from the Association, said that the Shops Act Regulations were being printed and that an Early Closing Order could not yet be made.

The following, who had been approved by the Associates' Section, were elected as Associates: Mr. S. A. Kerr (pharmaceutical chemist); Mrs. A. E. Ryde (assistant); Mr. J. L. McIlroy and Miss E. Keating (apprentices).

Mr. T. A. Gibson was appointed to represent the Association on the committee of the Belfast Chamber of Trade to fill the vacancy caused by the resignation of Mr. J. McClenahan.

The President expressed sympathy with Mr. J. Caldwell on the death of his mother, and with Miss L. M. Forrest on the death of her aunt.

Medical Board Operations?—"The Government is considering the abolition of the general medical practitioner. The medical services of the entire country will be concentrated in a Board, sitting in London. Cases of illness must be reported in writing. The Board will consider each case on its merits, and if it has reason to believe that its medical advice is not being followed, an Inspector will be sent to the address of the sick person, in order to collect data for a report on the case. The Board will have a printed list of all the known diseases, with the corresponding remedies written opposite to them. This will obviate the personal visit of a qualified doctor. In cases where an operation is thought necessary, a surgeon's licence must be applied for, and a permit obtained, after the Inspector has visited the patient and applied to the Board for a certificate."—Beachcomber in the "Daily Express."

THE FEET AND THE PHARMACIST

By C. B. HOLLIDAY, M.P.S.

2. THE TREATMENT OF TIRED FEET

IT cannot be stressed too strongly that many people suffering from foot complaints owe them to improperly fitting footwear. The weight of the whole body is concentrated upon the feet, so that badly supported footwear, or footwear that is too tight, sets up unnatural pressures. The results are seen in hard skin, corns, bunions, ingrowing nails, and so on. The most elementary foot hygiene demands proper attention to boots and shoes, a regular changing of socks and stockings, especially in the summer, and frequent washing of the feet.

" Contrast " Foot Baths

The pharmacist will do well to lose no opportunity of impressing this fundamental fact upon his customers, since lack of attention to such details leads to painful and aching feet, thence to minor ailments, especially in cities, where hard pavements add their quota to the abnormal conditions that the feet have to endure. Minor disorders rapidly develop into major, but proper care prevents much pain and discomfort. Apart from normal washing of the feet, foot baths, both medicated and non-medicated, can be used to relieve tiredness, stimulating muscles, nerves and capillaries and " toning up " the tissues. The so-called " contrast " foot bath may be recommended for this purpose. In it, two foot baths are required, the first containing water at a temperature of about 100° F., and the other cold water (45 to 65° F.). The feet are immersed in the hot bath and allowed to remain there for from three to four minutes and then transferred to the cold bath, where they remain for a further three or four minutes. Transfer from one bath to the other takes place as many times as possible, the cold being used last. The feet are then thoroughly dried. The alternate dilation and contraction of the cutaneous blood vessels resulting from this treatment stimulates the blood flow and relieves tiredness and pain. The addition to both hot and cold baths of either common salt or magnesium sulphate helps to relieve congestion.

Many people suffer from perspiring and evil-smelling feet, known as hyperidrosis and bromidrosis respectively. Bromidrosis is a particularly offensive ailment and is caused by the decomposition of sweat into fatty acids by bacteria, notably *B. fœtid* The feet of sufferers should be washed fr quently in tepid water and medicated fo baths used. They should be exposed to th air and to the sun's rays as often as possibl and the footwear, which should be absorl ent, changed frequently. In bad cases it helpful to pierce holes in the uppers the shoes so as to increase aeration. Th use of loofah socks is also valuable. Pota sium permanganate foot-baths, at a strengt of 1-1,000, are useful in both hyperidros and bromidrosis, and the addition of chloroxylenol antiseptic is also recommende Formaldehyde foot-baths (strength 1-50 are sometimes prescribed. Chronic case of bromidrosis require stronger treatmen such as a 5 per cent. solution of chromi acid or a 3 per cent. solution of formalir either of which is painted on the soles the feet every two or three weeks. Whe the feet have been bathed and dried by rub bing with a rough towel, it is advisable t apply an astringent lotion, such as a 3 pe cent. solution of salicylic acid in spirit, dilute solution of tannic acid, or a solutio of alum in water. It is a good plan to in clude spirit in the formula, so that its evap oration may produce a cooling effect an leave the feet with a feeling of freshness Before putting on the socks or stockings they should be well dusted with an absorb ent powder. One of the most useful o these in the treatment of bromidrosis i one containing 2 to 5 per cent. salicylic acid in a base of zinc oxide, boric and starch powders. Precipitated sulphur and zinc stearate are also effective in reducing sweating and overcoming unpleasant odours.

Treatment of Fissured Skin

Tired and aching feet, however, are not always due to hyperidrosis or bromidrosis. Sometimes the feet are unnaturally dry, a state known as anidrosis. The skin becomes tough, leathery, fissured and painful to walk upon. Here again foot-baths are indicated, both medicated and non-medicated, followed by an emollient ointment rubbed into the feet to soften and soothe them. Most of the foot ointments on the market have been devised for this purpose. Hardening and thickening of the epidermal skin to form a callous is a frequent cause of pain, and even to rest the feet produces a feeling of relief in sufferers.

BUSINESS QUERIES AND ANSWERS

ubscribers are invited to address inquiries to the Editor on problems of management, ccounts, stock-keeping, taxation. To ensure that no information of a confidential ature is disclosed to a competitor, replies will be given under initials or a pseudonym. f it is necessary to forward documents, copies only and not originals should be sent.

Value of Double Entry

" I have always kept my accounts on imple lines, but I seem to be paying more han my fair share of income tax. I have een advised to adopt double entry methods nd if that would bring down my assessnents I would give it a trial. I am not ertain, however, that any real value is to e derived.—C. W."

The need of adopting double-entry nethods of book-keeping arises from the act that every business transaction has a eceiving side and a giving side. When a ustomer is supplied on credit, for example, he chemist's stock will be reduced and the ook debts increased, and it is incomplete o record only one of these facts. The goods or stock account should be credited with the value going out, and the customer's account debited with a similar amount. Ready money sales reduce the chemist's stock and increase the cash balance; cash purchases increase the stock and reduce the cash balance; credit purchases increase stock and also increase the sum due to creditors. By making out lists of debit and credit balances it is relatively easy to draw up a periodical trading account showing the margin of gross profit, and a profit and loss account disclosing the balance of net profit, or the extent of any loss. Chemists who rely on the old single-entry method of book-keeping are usually over-assessed each year, and it is only by adopting double-entry methods that taxpayers are able to obtain maximum relief under Schedule "D."

Ready Money Takings

" Although my till book gives daily credit takings on one side, and cash payments, sums paid to bank, etc., on the other side, I frequently require to know ready-money takings on a particular day and should like to do this without upsetting the book-keeping.—M. O."

In the absence of a suitable cash register, the daily cash sales would have to be determined by adding together the cash payments, bank lodgments, and the closing cash balance, and by deducting from this total the credit takings and the previous day's closing cash balance, as shown.:—

			£	s.	d.
Cash payments				:	:
Paid to bank				:	:
Closing cash balance				:	:
Total ...		£		:	:
Deduct					
Credit takings ...	£ :	:			
Opening cash balance	:	:		:	:
Ready money takings ...		£		:	:

CORRESPONDENCE

Educational Policy

SIR,—Your editorial " In Praise of Shopkeeping " interested me in view of my own experience. Having negotiated the "Minor" in 1915, and feeling justifiably pleased, I conveyed the news of my success to my science master of boyhood days. Imagine my humility at his remark that I had become " a licensed seller of poisons." That incident certainly discredited the value of further pharmaceutical qualifications in my mind, and conveys the academic outlook towards pharmacy.

Yours faithfully,
Bournemouth. A. V. ISON.

SIR,—I was much interested in your leading article " In Praise of Shopkeeping " (*C. & D.*, April 5, p. 379). I am of opinion that Professor J. P. Todd is to be congratulated on his strong and commonsense attitude to the public service rendered from day to day by the retail pharmacists. In striking contrast, I feel that what Mr. A. A. Meldrum (himself a retail pharmacist in Aberdeen and occupying a seat in the Council of the Pharmaceutical Society) said about the present position of retail pharmacy and its future is, from a business as well as a professional standpoint, to be regretted. That within the space of the next generation "chemists' shops would be a rarity " is a serious outlook. May we hope (and that in all sincerity) that active progressive pharmacists will continue to be a boon to public service for many future generations. The highly educated do not always prove their worth by ability to help and to serve.

Yours faithfully,
ROBERT HUNTER.
Milltimber, Aberdeens.

OVERSEAS TRADE NEWS

Belgo-Danish Trade Agreement.—Denmark is to supply Belgium with drugs and cryolite under a supplementary trade agreement recently signed between the two countries. Belgium will supply Denmark with chemicals.

Swiss Medicines for Hungary.—A Hungarian trade mission recently in Switzerland purchased basic materials for the manufacture of medicines to a total value of 400,000 Swiss francs; the purchases included quinine, caffeine, and theobromine.

Canadian Soap Prices.—Price increases for soap and soap products ranging from one to five cents have been announced by the Canadian War-time Prices and Trade Board; the advances have been necessitated by a reduction in Government subsidies on oils and fats.

Swiss Trade With Poland.—A Swiss trade delegation to Poland is negotiating a new commercial agreement between the two countries. During 1946, Polish imports from Switzerland consisted almost exclusively of chemicals, medicines and dyes.

Cinchona Bark for U.S.—United States Government officials expect exports of cinchona bark from the Dutch East Indies to be resumed at a high level by the beginning of the summer. Cinchona stocks in the Indies are reported to be considerable.

Glucose Factories for India.—The Technical Panel of the Indian Central Food Department has recommended the erection of six new factories to produce liquid glucose. About 3,000 tons of liquid glucose are imported into India each year but requirements are placed at 10,000 tons for the main consuming industries.

German Eau de Cologne.—The first export order for 4711 eau de Cologne was placed with Messrs. Ferdinand Muehlen, Cologne, recently, and it came from the United Kingdom. Until recently, Messrs. Muehlen concentrated on the production of tooth paste and talcum powder for children.

U.S. Retains Limited Controls.—The U.S. Senate and House of Representatives have now approved the extension to June 30 next of limited presidential powers over the allocation of materials still in short supply. Cinchona bark and streptomycin are two of the products which will continue under control.

U.N.R.R.A. Radium for Europe.—Radium and radium accessories, valued about $1,000,000, are being bought by th Canadian Commercial Corporation, Crown-owned company, acting on behalf U.N.R.R.A., as a gift from Canada hospitals and medical institutions in Polan Jugo-Slavia, Czechoslovakia, China an the Ukraine. The managing director the corporation said that contracts are bein placed with the Eldorado Mining and R fining, Ltd., and payments will be mad from the $154,000,000 donated U.N.R.R.A. by Canada.

Polish Imports of Medical Supplies.—Poland intends to import in 1947 medicin to the value of £2,250,000. In the first si months of the year, the major amount medicines will be imported from th Netherlands, as the Polish-Dutch Trad Agreement provides for such imports to th value of 3,000,000 Dutch guilders. Medi cines worth 50,000,000 French francs wi be imported from France, a similar quan tity from Belgium and also a large amoun from Italy and Jugo-Slavia.

Synthetic Glycols or Glycerin?—Hig costs and short supplies of glycerin in th United States have brought certain section of the consuming trades to believe tha propylene glycol and other substitutes wil gain a substantial part of the market fo the natural product. Glycerin is currentl quoted at prices which are three times th price of propylene glycol. Synthetic flavouring and food manufacturers are understood to be showing increased interes in the substitute materials and pharmaceutical, cosmetic and adhesive manufacturers are expected to consume greater quantities than ever before.

Opposition to Tariff Reductions.—The U.S. chemical industry has announced its opposition to proposed reductions in the tariff schedules for chemicals set up in the reciprocal trade agreements law with eighteen nations, according to press reports. A brief, filed with the U.S. Tariff Commission by Dr. Warren Watson, secretary of the Manufacturing Chemists' Association and Chemical Alliance Incorporated, calls attention to the "great strides made in chemical production and research during the past twenty years substantially because the tariff protection afforded by the Acts of 1922 and 1930 served to stimulate expansion of the American industry.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, April 9

At the time of going to press the markets have only just resumed business after the Easter holidays; only very few changes can be discerned in Pharmaceutical Chemicals. Most products are selling at previously quoted prices. Following the recent advances in the prices of the base metals, further increases in the prices of Tin, Copper and Lead compounds must be expected. Copper sulphate has already been advanced and the new price for 98-100 per cent. is £46 12s. 6d. per ton, f.o.b. Liverpool.

Crude Drugs

Reports from the Crude Drugs markets show a quiet but steady routine business with prices generally at unchanged levels. Cape Aloes are in good request but no shipment offers are being made. Benzoin shows a good inquiry. Supplies of Bismuth metal are still far below requirements and no improvement is likely in the near future. The Spice products are very quiet. Shellac prices eased last week and T.N. pure is at 340s. per cwt. for spot.

Essential and Expressed Oils

The market for Essential Oils is very quiet and prices are steady. Following the recent announcement of higher rates for certain Expressed Oils, the Ministry of Food have issued a new schedule of prices for Fatty acids.

U.S. Drug and Chemical Report

New York, April 3

The Fine Chemical market is featured by a generally firm tone; Synthetic vitamins are exceptions however, and following last week's announcement of a substantial decline in the price schedule for Pyridoxine, more favourable production costs have also allowed a reduction in the quotation for Calcium pantothenate from $100 per kilo to $75, and for Alpha-tocopherol from $900 to $750.

Some sections of the market are of the opinion that a further rise in the price of Citric acid will be announced by makers during April while increases in selling schedules for the major Iodides are expected in the very near future. Domestic inquiries for Mercury are exceedingly limited; it is expected that the 2,900 flasks of Japanese metal recently imported into the U.S. will shortly be offered to the trade by the U.S. Commercial Co.

The market for Crude Drugs continues quiet, although considerable activity in Tragacanth was reported towards the close of the week. The arrival of some new lots of Papain from overseas resulted in a reduction in the quotation, and prices for Carnauba wax also showed a further decline on the continued absence of any strong demand. Lower quotations for Floral Oils are noted on the Essential Oils market, but otherwise there have been few developments during the past week.

The Aromatic chemical market remains in a firm position due to the tight supply of most basic materials.

Pharmaceutical Chemicals

Amidopyrine.—Quotations are firmer at 50s. to 60s. per lb., according to quantity. Supplies are very scarce.

Amphetamine.—Quotations range from 150s. to 170s. per lb., according to quantity.

Anethole.—Quotations are lower at 20s. to 25s. per lb.

Ascorbic acid.—Current quotations are from £23 10s. per kilo upwards.

Aspirin.—Makers' prices per lb., in the home market, are as follows: 28 lb. and under 1 cwt., 4s. 4½d. (1-lb.), 4s. 3½d. (2-lb.), 4s. 3d. (4-lb.), 4s. 2d. (7-lb.), 4s. 1½d. (14-lb.), 4s. 0½d. (28-lb). Net one month.

Atropine.—Home trade prices per oz. are as follows: Alkaloid, 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d. Sulphate, 34s.; 4 oz. 33s. 6d.; 25 oz., 33s. Methylbromide and Methylnitrate, 75s.

Barbitone.—Supplies are short. Quotations range from 424s. 6d. to 45s. 6d. per lb., according to quantity. Soluble is available at the same prices.

Benzaldehyde.—B.P.C. quality, in fair supply, is quoted at 4s. 9d. to 5s. 6d. per lb., according to quantity.

Benzocaine.—Current prices are from 35s. to 42s. per lb., as to quantity.

Benzoic acid.—Supplies are still difficult to procure. Quotations are from 2s. 6d. per lb. upwards, according to quantity.

Bismuth.—Makers' quotation for Carbonate in 1-cwt. lots is 14s. per lb. Schedule prices for smaller quantities are from 15s. 8½d. upwards. Citrate is 2d., Salicylate 1s. 4d., and Subnitrate 2s. 7d. per lb. below the above prices; Subgallate is 2s. more.

Carbromal.—Importers' prices are from 32s. 6d. to 35s. per lb., as to quantity.

Chloral hydrate.—Current rates are as follows: 28 lb., 4s. 8d. per lb.; 14 lb., 5s.; 7 lb., 5s. 3d.; less than 7 lb., 5s. 9d. per lb.

Chlorocresol.—Makers' quotations are: 1 cwt., 4s. per lb.; 56 lb., 4s. 3d.; 28 lb., 4s. 6d. per lb.

Cresol, B.P.—Controlled price from distillers is 4s. 6d. per gall., ex sellers' premises.

DIAMORPHINE — Prices per oz. are: ALKALOID, ½ oz., 54s. 6d.; 1 oz., 52s.; 2 oz., 50s. 6d.; 3 oz., 49s. 9d.; 4 oz., 49s. 6d. HYDROCHLORIDE, ½ oz., 50s. 3d.; 1 oz., 47s. 9d.; 2 oz., 46s. 3d.; 3 oz., 45s. 6d.; 4 oz., 45s. 3d. per oz.

EPHEDRINE.—Quotations for the ALKALOID are from 9s. to 12s. per oz., as to quantity. HYDROCHLORIDE is quoted from 6s. to 9s. per oz. Supplies are limited.

ETHYLMORPHINE.—Current rates per oz., in the home market, are: ALKALOID, ½ oz., 57s. 6d.; 1 oz., 55s.; 2 oz., 53s. 6d.; 3 oz., 52s. 9d.; 4 oz. 52s. 6d. HYDROCHLORIDE, ½ oz., 49s.; 1 oz., 46s. 6d.; 2 oz., 45s.; 3 oz., 44s. 3d.; 4 oz., 44s.

EUCALYPTOL.—B.P. quality, in good supply, is available at 12s. 6d. to 13s. per lb., according to quantity.

GLYCEROPHOSPHATES. — Makers' rates per lb. for small quantities are as follows: ACID, 20 per cent., 8s. 3d.; CALCIUM SOLUBLE, 10s. 6d.; IRON SCALE, 11s. 9d.; MAGNESIUM (INSOLUBLE), 10s.; MAGNESIUM (SOLUBLE), 19s. 3d.; MANGANESE, 24s. 3d.; POTASSIUM, 50 per cent., 5s. 11d.; 75 per cent., 7s. 9d.; SODIUM, 10s. 9d.; 50 per cent., 4s. 7d.; 75 per cent., 5s. 8d. Quantities of 7lb., 6d. per lb. lower than above rates.

GUAIACOLS.—In fair supply. Liquid is quoted at 14s. 6d. to 16s. per lb.; crystal and carbonate, 14s. to 15s. per lb., according to quantity.

HEXAMINE.—B.P. is quoted at from 1s. 5d. to 1s. 9d. per lb., as to quantity.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gm. in brackets): ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (4s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

HYDROQUINONE.—Current quotations are from 8s. to 9s. per lb., as to quantity.

HYOSCINE HYDROBROMIDE — Makers' quotations are from 147s. 6d. to 150s. per oz., according to quantity.

HYPOPHOSPHITES.—Makers' rates per lb. for 7-lb. lots are: AMMONIUM, 9s. 3d.; BARIUM, 6s. 3d.; CALCIUM, 4s. 11d.; IRON, 9s. 4d.; MAGNESIUM, 7s. 9d.; MANGANESE, 8s. 5d.; POTASSIUM, 6s. 1d.; SODIUM, 5s. 7d. HYPOPHOSPHOROUS ACID, in quantities of 6 Winchester quarts is 6s. 2d. per lb.

ICHTHAMMOL.—B.P. material is quoted in bulk at 4s. per lb. 28-lb. tins, 4s. 9d.; 14-lb., 5s.; 1-lb., 5s. 10½d. per lb.

ISOPROPYL ALCOHOL. — Makers quote B.P.C. quality at 13s. 9d. per gall.

LACTATES.—Makers' quotations per lb. are as follows: CALCIUM.—2s. 3d. to 2s. 9d. CALCIUM SODIUM.—3s. 3d. to 3s. 9d. LACTIC ACID.—3s. to 3s. 3d.

LACTOSE.—Quotations are from £120 per ton upwards, according to quantity.

LECITHIN. — Ex ovo, 85 per cent., is quoted at prices from 90s. per lb., upwards.

MANDELIC ACID.—Current prices are as follows: 1 lb., 22s. per lb.; 4 lb., 20s. 3d. 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

METHYL SALICYLATE.—Current rates are as follows: Winchester quarts, 2s. 2½d. per lb.; 56 lb., in demijohns, 2s. 1d.; 1 cwt. in demijohns or carboys, 2s. 0½d.; 5 cwt., 2s. All prices are net.

MERCURY SALTS.—Makers' rates per lb are as follows: AMMONIUM CHLORIDE, B.P. powder, 9s. 9d.; lump, 9s. 7d. BICHLORIDE B.P., powder, 8s. 4d.; lump or granular 8s. 11d. MERCUROUS CHLORIDE, B.P. 9s. 10d. RED OXIDE, B.P.C., 10s. 6d YELLOW OXIDE, B.P., 10s. 6d. 7-lb. lots are 6d. per lb. less than above prices.

PARALDEHYDE.—Rates for B.P. material are as follows: 5 carboys, 1s. 5d. per lb.; 1 carboy, 1s. 6d.; 24 Winchester quarts, 1s. 7½d.; 17, 1s. 8½d.; 6, 1s. 10d.; 3, 1s. 11d. per lb.

PEPTONE. — Importers' quotations are from 13s. to 15s. per lb., as to quantity.

PHENACETIN.—In limited supply. Small quantities would be worth 4s. 6d. per lb.

PHENAZONE.—In short supply. Quotations are from 20s. to 25s. per lb., as to quantity.

PHENOBARBITONE. — Quotations for the acid and the SOLUBLE salt are from 35s. to 39s. per lb., as to quantity.

PHENOLPHTHALEIN. — Current rates per lb. are: 1 cwt., 5s. 4d.; 28 lb., 5s. 6d.; 14 lb., 5s. 9d.; 7 lb., 6s.

PILOCARPINE.—Makers' rates per oz. are as follows: ALKALOID.—1 oz., 37s.; 4 oz., 36s. 6d.; 25 oz., 36s. HYDROCHLORIDE.—1 oz., 32s. 6d.; 4 oz., 32s.; 25 oz., 31s. 6d. NITRATE.—1 oz., 30s. 3d.; 4 oz., 29s. 9d.; 25 oz., 29s. 3d.

PIPERAZINE.—Current prices are from 4s. 6d. per oz. upwards, according to quantity.

PROCAINE HYDROCHLORIDE. — Current quotations are from 42s. 6d. to 45s. per lb., according to quantity.

PYROGALLOL.—Current rates are as follows: 1-cwt., 21s.; 56-lb., 21s. 6d.; 28-lb., 22s. 6d. per lb. Resublimed, 4s. per lb. above these rates. Prices are net.

SAFROLE.—Current quotations are in the region of 30s. per lb.

SULPHANILAMIDE.—Large quantities are quoted from 5s. 9d. per lb. upwards; smaller quantities are at 7s. to 7s. 6d. per lb., according to pack.

TANNIC ACID.—In very short supply. B.P. levis, ex ether, is quoted from 10s. 6d. per lb. upwards, according to quantity.

TEREBENE.—Rates per lb. are as follows: Carboys, 3s. 9d.; 24 Winchester quarts, 3s. 10½d.; 12, 4s. 1½d.; 6, 4s. 5d.

TERPINEOL.—B.P. quality is quoted at 5s. per lb. for small lots.

THYMOL.—Supplies are very short. Current prices are from 19s. to 20s. per lb.

Crude Drugs

ALOES.—Curaçao is steady at 250s. per wt., spot; forward, from 230s. to 240s., .i.f. Socotrine is at 185s., spot.

ANISE (STAR).—Spot, 190s. to 210s. per wt.; shipment, 120s., c.i.f.

BALSAMS.—CANADA.—Quoted at 15s. per b., spot. COPAIBA.—Pará is available at s. to 9s. per lb. PERU.—Quoted at 7s. 9d. o 8s. per lb., duty paid. TOLU.—Quoted at 8s. to 19s. 6s. per lb., according to holder; hipment, 18s. 6d., c.i.f.

BENZOIN.—Quotations for Sumatra are t £23 10s. to £25 per cwt., spot, for fair to ood almondy material; afloat, £22 10s.; orward shipment, £15 to £17. A lower rade is offered at £20 per cwt., spot.

BISMUTH.—Current price for high-grade etal is 10s. per lb., in 5-cwt. parcels.

CAMPHOR.—Chinese tablets (¼-oz.) are rm at 12s. per lb., spot; refined powder B.P.), 11s. 6d.; 2½-lb. slabs, afloat, quoted t 10s. 6d. per lb., landed, duty paid.

CARDAMOMS.—Mangalore, half-bleached, A's are quoted at 8s. 9d. per lb.; B's, 8s. 3d. er lb.; seeds, 7s. 9d., spot. Aleppy seeds, No. 1, are at 8s. per lb.; Aleppy greens, 7s. er lb., spot.

CASCARA SAGRADA.—Quiet. Quotations re at 270s. to 285s. per cwt., duty paid, ccording to holder.

CASCARILLA.—Quills are quoted at 2s. per b.; siftings 1s. 6d. to 1s. 9d., spot.

COCHINEAL.—Silver-greys, for the home rade, 4s. 6d. per lb., on the spot; blacks, ery scarce, are quoted at 5s. 9d. per lb.

COCOA BUTTER. — Controlled price is s. 7d. per lb., ex factory or warehouse.

COCONUT (DESICCATED).—Maximum controlled price is 74s. 8d. per cwt., ex store.

COLOCYNTH.—Fine-white is quoted at 2s. 2d. per lb., spot; medium-white, 2s. per b.

DIGITALIS.—Portuguese is steady at 30s. per cwt., spot. English-grown, 2s. 6d. er lb.

EUPHORBIUM.—Steady at 80s. per cwt., pot.

GENTIAN.—French natural root is quoted t 100s. per cwt.; cut, 130s., spot.

GUM MASTIC.—Quoted at 18s. per lb., uty paid, for No. 1 material.

HENBANE.—Indian leaf, steady at 250s. er cwt., spot.

IPECACUANHA.—Firm. Nicaraguan root s quoted dearer at 30s. per lb.; shipment, 26s. 6d., c.i.f.

JUNIPER.—Firm. Italian berries are uoted from 56s. to 65s. per cwt., according o quality.

KAMALA.—Material with a test of 6 per ent. ash is available at 3s. per lb., spot.

LIQUORICE ROOT.—Anatolian whole root s steady at 60s. per cwt., on the spot. Turkish juice (block) is quoted at 250s. to 260s., spot; forward, 190s., c.i.f.

LOBELIA.—Spot, 6s. 6d. per lb., nominal.

MERCURY. — Spot quotations are at £20 10s. to £21 per flask, ex warehouse; for shipment, £20 6s., c.i.f.

MYRRH.—Aden sorts are quoted at £14 to £17 per cwt., according to quality; siftings, £8 to £10 per cwt.

NUX VOMICA.—Madras, steady at 40s. to 42s. 6d. per cwt.; Mangalore, 40s.; Cochin, 42s. 6d. to 45s., spot, according to seller.

OLIBANUM.—Fine drop is quoted at 250s. per cwt.; pea, 240s. to 250s.; garblings, 180s.; seeds, 175s.

ORANGE PEEL.—Spanish quarters, steady at 1s. 6d. per lb., spot; sweet ribbon, 1s. 9d. per lb. Italian bitter quarters are quoted at 1s. 6d. per lb., spot.

QUILLAIA.—Natural bark, quoted at 130s. per cwt.; cut, for future delivery, 150s., ex store.

QUINCE SEEDS.—Steady. Cape is quoted at 7s. 6d. per lb., spot.

RHATANY.—Steady. Spot quotations are unchanged at 11d. per lb.

RHUBARB.—Chinese rough round, with a fair fracture, 8s. to 10s. per lb., according to quality and holder; forward, 5s. 6d. to 7s. per lb., c.i.f. French rhapontica is available at 2s. 3d. per lb., spot.

SANDARAC.—Quotations are at 6s. 3d. to 6s. 6d. per lb., ex store London.

SARSAPARILLA. — Jamaica, native red, 2s. 4d. to 2s. 6d. per lb., according to holder.

SEEDS.—ANISE.—Cyprus, 2s. 5d. per lb., spot, London or Liverpool. CARAWAY.—Dutch offered at 1s. 5½d. per lb., duty paid, spot, London. CELERY.—Indian quoted at 1s. 6d. per lb., spot, London or Liverpool. CORIANDER.—Spot, Indian quoted at 70s. per cwt., ex store, Liverpool; Morocco offered at 60s. per cwt., duty paid, ex wharf London; English, 85s. to 87s. 6d. quoted. CUMIN.—Spot, Morocco quoted at 240s. per cwt., duty paid, in London; Indian, 235s. per cwt., ex store Hull or Liverpool; Cyprus, 240s. per cwt., ex wharf London. DILL.—Indian offered at 47s. 6d. per cwt., ex wharf London, and 45s. per cwt., ex store Liverpool. FENNEL.—Indian is 120s. per cwt., ex wharf Liverpool. FENUGREEK. — Indian quoted at 50s. per cwt., spot, London, and 47s. 6d. per cwt. in Liverpool.

SENEGA.—Spot quotations, 14s. 6d. per lb.

SHELLAC.—Quiet. Spot quotations ex warehouse London, are as follows: F.O.T.N., pure, easier at 340s. per cwt.; F.O. standard, No. 1, 347s. 6d.; F.O. lemon, No. 1, 380s.; F.O. lemon, No. 2, 370s.; A.C. garnet, 375s.; buttonlac, 375s. per cwt.

SQUILL.—Firm. 70s. per cwt., spot.

STROPHANTHUS. — In limited supply Kombé seed, 100 per cent., 10s. per lb.

STRAMONIUM.—Indian leaf is quoted at 85s. per cwt., on the spot.

STYRAX.—Small quantities are available at 5s. per lb., duty paid.

TRADE MARKS

(From "The Trade Marks Journal," March 12)

"CRAVACHE"; for liquid perfumes (3). By Société d'Etudes et d'Expansion de la Parfumerie de Luxe, 20 Rue de la Paix, Paris, France. 643,651.

"GREEN EYES"; for perfumes and toilet preparations (not medicated) (3). By Nor-Sun, Ltd., 160 Central Drive, Blackpool. 645,776.

"HEADLIGHT"; for perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in hair-waving, soaps and essential oils (3). By Ashe Laboratories, Ltd., 120 Victoria Street, Westminster, London, S.W.1. 645,825.

"GLOREEN"; for pharmaceutical preparations and substances (5). By Godfrey Thornfield, Fortess Grove, 28 Fortess Road, London, N.W.5. 637,362.

"ODAC"; for deodorising preparations and substances (5). By Odac Manufacturing Co., 2246 West 49th Street, Chicago, Illinois, U.S.A. 639,760.

"SOFTEX"; and device of nurse's head and shoulders; for medicated toilet paper, disinfectants and deodorisers (5). By Swan Mill Paper Co., Ltd., 92 Regent Street, London, W.1. 640,252 (Associated).

"PALLATEX"; for acrylic-resin plastics and compounds and preparations of acrylic materials, all prepared for use in the manufacture of dental prostheses (5). By Rockland Dental Co., Inc., 91 Main Street, Dobbs Ferry, N.Y., U.S.A. B641,586.

"ASTROLIN"; for liniments for external application (5). By Ashe Laboratories, Ltd., 120 Victoria Street, Westminster, London, S.W.1. 642,003 (Associated).

"HIVOX"; for insecticides and preparations for killing weeds and destroying vermin (5). By Hivey Fumigation Co., Ltd., 15 Cheapside, Liverpool, 2. 642,067.

"BANSILLEX"; for pharmaceutical preparations and substances (5). By The Brynn Manufacturing Co., Ltd., 272 Wigan Road, Bryn, Ashton-in-Makerfield, nr. Wigan. 642,282.

"EXPEST"; for insecticides in liquid and powder form (5). By The Hygienic Chemical Co., Ltd., Duplex Works, Duplex Ride, Kinnerton Street, London, S.W.1. B64,776.

Device of two handkerchiefs knotted together; for medicines for human and veterinary use, but not including medicated confectionery (5). By Hankeys, Ltd., Greyhound Yard, Burnley Road, Brierfield, Nelson, Lancashire. 642,962.

"VINCE"; for medicated mouth wash (5). By Vince Laboratories, Ltd., Power Road, Chiswick, London, W.4. 643,194 (Associated).

"GITSTICK"; for insecticides, fungicides and preparations for killing weeds and destroying vermin; all in stick form (5). By Ashe Laboratories, Ltd., 120 Victoria Street, Westminster, London, S.W.1. 643,702.

"BACTRAMID"; for pharmaceutical chemical preparations containing amides (5). By Bailb Ltd., Mount Pleasant, Alperton, Middlese 644,177 (Associated).

"VOCALZONE"; for pharmaceutical preparatio for human use for use in treating affections the throat (5). By John Myrddyn Lloyd, Lammas Street, Carmarthen. 644,230 (Ass ciated).

"ONDINA"; for oils for use in medicine and pha macy (5). By Shell-Mex & B.P., Ltd., 22 Gre St. Helens, London, E.C.3. 645,187 (Associ ted).

"GLYMININ"; for pharmaceutical preparations ar substances (5). By Bayer Products, Ltd., Afric House, Kingsway, London, W.C.2. 645,303.

"BOVOGEN"; for veterinary preparations and sul stances (5). By Bayer Products, Ltd., Afric House, Kingsway, London, W.C.2. 645,308.

"RENTOKILIT" and "RENTOPINE"; for inse destroying preparations, insect repelling prepara tions, preparations for destroying and repellin vermin (5). By Rentokil, Ltd., 168 Stockwe Road, London, S.W.9. 645,360 and -93 (Asso ciated).

"CAFALGINE"; for pharmaceutical preparatior and substances (5). By Bayer Products, Ltd 14 Waterloo Place, Pall Mall, London, S.W.1 645,858.

"ACME"; for razor blades (8). By Acme Razo Blade Co., 115 Clifton Street, Cardiff. 638,26

"VEEDAX"; for appliances for fitting to safet razors to preserve the edge of the blade (8). B Lawrence Patrick Kelly, 11 Collingwood Avenue London, N.10. 643,750.

"NELLA"; for sun glasses (9). By George Alle Wilde, St. Lawrence, Pinner Hill, Pinner Middlesex. 645,546.

"VITACYRL"; for dental instruments and appara tus, artificial teeth and sets of artificial teeth, al made of acrylic-resin plastics (10). By Vita cryl Tooth Co., 50 World's End Avenue, Quin ton, Birmingham, 32. 644,028.

"DEEODIS"; for apparatus for deodorising, fumi gating, purifying and conditioning air; and fo ventilating apparatus (11). By Calmic, Ltd. Lostock Grange, Westhoughton, Lancashire 644,519.

"VELVO"; for toilet paper (not medicated) (16) By Harold Wesley, Ltd., Harlesden Stationery Mills, Acton Lane, London, N.W.10. 633,430

"TAINER"; for combs for the hair (21). By Lester Thorndike Sawyer, 80 Washington Street Leominster, Worcester, Massachusetts, U.S.A. 638,422 (Associated).

(From "The Trade Marks Journal," March 19)

"GAVROCHE" and "INSURGE"; for perfumes, toilet preparations (not medicated), cosmetic preparations, soaps, essential oils, hair lotions and dentifrices (3). By Société Anonyme de Diffusion Internationale de Parfumerie, 58 Rue de Provence, Paris (9e), France. 645,443-44.

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	Size	Trade	Medical Profession	Retail Price
1 mgm. ..	25's	1/-	1/4	1/6
	100's	3/4	4/6	5/-
	500's	13/4	18/-	20/-
	1000's	25/-	33/9	37/6
3 mgm. ..	25's	1/6	2/-	2/3
	100's	5/2	7/-	7/9
	500's	20/8	27/11	31/-
	1000's	39/-	52/8	58/6
10 mgm. ..	25's	3/-	4/1	4/6
	100's	10/-	13/6	15/-
	500's	40/-	54/-	60/-
	1000's	78/-	105/3	117/-
25 mgm. ..	25's	6/-	8/1	9/-
	100's	20/-	27/-	30/-
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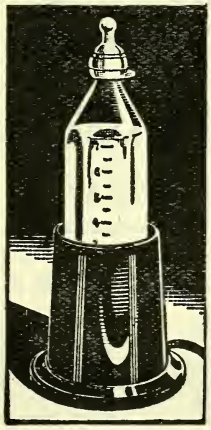

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AUTOMATIC · ELECTRIC · SAFETY

BOTTLE WARMER

This new electrical heating device, primarily designed for heating infants' feeds to a pre-determined temperature, but having numerous other practical applications, is now available for the home market.

Send your enquiry now about this new heating line to:

Sole Distributors for Great Britain:
BEAUTISALES LTD · 35 OLD BOND ST · LONDON · W.1
Manufactured by:
DAVID GRIFFIN LTD · WIMBORNE RD · POOLE · DORSET

RUBBER BATHING HELMETS

OUR STAND AT THE

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is **No. J 2256** EMPIRE HALL

(SECOND FLOOR)

AMALGAMATED RUBBER MOULDINGS LTD.

CANAL STREET, CHADDERTON, nr. Manchester

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SANITARY PROTECTION

Worn Internally

OZONE IRISH MOSS COUGH SYRUP

8 oz. **2/6** size

is again available in limited quantities.

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Carrickfergus, N.I.

FRANCO-BRITISH ELECTRICAL CO. LTD.

For Ampoules & Vials.

FIRTH STREET GLASSWORKS

LEEDS 9

PARAGON RAZOR BLADES

No. 4. ACORN

No. 2. SINGLE EDGE

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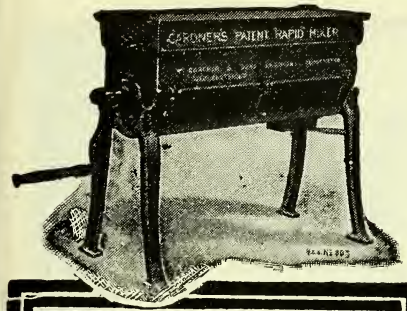
SOLE MANUFACTURERS—

THE PARAGON RAZOR CO.

NURSERY WORKS, ELDON STREET, SHEFFIELD, 1



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Blends an ounce with a hundred-weight in exact proportions. Built to last for years of trouble-free, low-cost hand work.

GARDNER'S Patent 'Rapid' MIXERS

Wm. GARDNER & SONS (Glos.), LTD., Bristol Rd., GLOS.

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Wholesale Only

Enquiries are invited for any of the following manufactures—

Cotton Wools
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AWARDED THE CERTIFICATE OF THE INSTITUTE OF HYGIENE IN RESPECT OF "STERAID" SURGICAL DRESSINGS

ROBERT BAILEY & SON, LTD.
SURGICAL DRESSING MANUFACTURERS
DYSART STREET, GREAT MOOR, STOCKPORT
Phone: GREAT MOOR 3006 Grams: "UNDISPUTED," STOCKPORT

NEW PLASTIC SURGICAL DRESSING

BIF 1947 OLYMPIA & EARLS COURT LONDON 5 16 MAY SEE OUR EXHIBIT

FOR years doctors and chemists have felt the need for such a dressing as Plastic Skin. Neat, easily applied, transparent (invisible under a silk stocking or a little powder) flexible and waterproof, it is sterile, powerfully germicidal and analgesic. Because of its high phenol content, it *heals* as well as seals.

Originated for use as a dressing after blood transfusions, Plastic Skin is already widely used in hospitals, highly recommended by leading surgeons and doctors, and officially "recognised" for panel prescriptions.

As a dressing for cuts and abrasions, small burns, chilblains, mosquito and other insect bites, cracked skin, etc., its many advantages are self-evident.

"Portex" Plastic Skin is now packed in handy tubes (Retail price 1/8 including tax) which give maximum ease of application and prevent any risk of deterioration in stock. Also in larger size bottles. Generous trade terms.

FREE TESTING SAMPLE. Test this interesting new product for yourself. Sample tube gladly sent on application to:
PORTLAND PLASTICS LTD.
6 Victoria Street, London, S.W.1

SEALS *and* HEALS

FORMULA: Phenyl Salicylate gr. xii. Methyl Methacrylate gr. xvii. Resorcinol gr. ii. Eugenol m. i. Chloroform m. x. Volatile Solvents ad 3 ii.

Surgical Dressings

LINTS · BANDAGES
COTTON WOOL
PLASTER MUSLIN
MATERNITY PADS
GAUZE

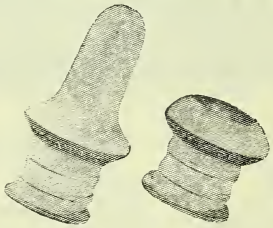
ONLY WHOLESALERS SUPPLIED

Carus OF DARWEN

HODDLESDEN MILL · HAMPDEN MILL · ATLANTIC MILL · SPOTLAND BRIDGE MILL

Ingram's "Omega" TEAT & VALVE

REG. NOS. 841964, 841968

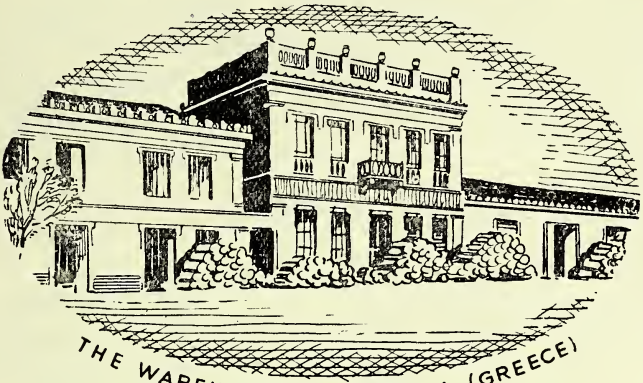


P.A.T.A.

Made by a special process which gives long life and produces a Teat with a perfect flow. The shape ensures a tight grip of the bottle.

Other Ingram specialities
"ATALANTA" Air Cushions
"OMEGA" Breast Relievers
"PERFEX" & "SATINETTA" Enemas

J. G. INGRAM & SON, LTD.
The London India Rubber Works, HACKNEY WICK, E.9.



SPONGES

AND CHAMOIS LEATHERS

RELIANCE BRAND

The illustration above is of one of the large warehouses on the Greek island of Aegina, where sponges from all the big fishing centres throughout the Mediterranean are collected, prepared and packed for distribution to the markets of the world. In our 100 years of steady progress we have maintained our reputation as the " right house " for Sponges and Chamois Leathers (" Reliance Brand "). Your enquiries will receive our courteous, prompt and knowledgeable attention.

CRESSWELL BROS. & MARKS

(INTERNATIONAL SPONGE IMPORTERS LTD.)

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'PHONE: GULLIVER 5462-3. 'GRAMS: SPONGE, NORWEST, LONDON

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NOW PRESENTED IN 1947
STREAMLINE PLASTIC
PROPELLING CASE OF
DIGNITY AND CHARM

★ SIX FASCINATING SHADES
★ INDELIBLE - STAYS FRESH ALL DAY
★ VELVETY-SMOOTH TEXTURE
★ NEW LIP-SHAPED PATENTED DESIGN FOR EASY AND ACCURATE APPLICATION

6/6 2/8 REFILLS

FLAME
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The Complete Service

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UNITED GLASS BOTTLE MANUFACTURERS LTD.,

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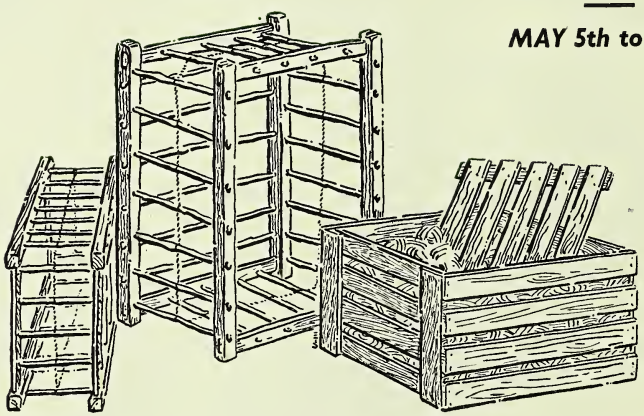
Tel.: GERRARD 8611 (15 Lines) Grams: UNGLABOMAN, LESQUARE, LONDON

An appeal...

Visit our
Stand A1143 at the

BRITISH INDUSTRIES FAIR OLYMPIA

MAY 5th to 16th.



The shortage of crates and packing cases is impeding deliveries of glassware!

We appeal for the prompt return of all empties. It is of vital necessity that our customers should, in their own interests, unpack and return packages with the utmost speed, so ensuring continuity of supplies of manufactured goods.

WOOD BROS GLASS Co LTD

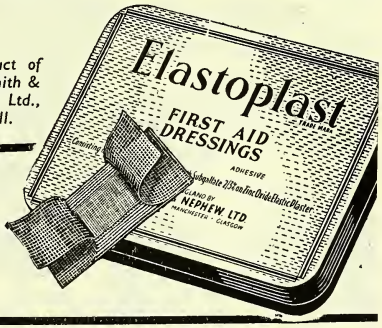
ESTABLISHED 1828

BARNSLEY YORKS

The demand for MODERN DRESSINGS is Constantly Expanding

PUBLIC INTEREST in first-aid is, today, greater than it has ever been before. War training has emphasised the need for a first-aid "Kit" in every home, and the advantages of prompt treatment of cuts and minor injuries. But more important, it has demonstrated the ascendency of modern methods of treatment. Already there is increasing demand for elastic adhesive dressings, and as soon as supplies are free, demand will soar to new high levels. Elastoplast was Britain's first elastic adhesive dressing. The constant high quality of Elastoplast has been proved in surgeries, hospitals and clinics throughout the world. Doctors recommend Elastoplast. Your customers know it is a name they can rely on. That is why we must expect greater than ever demand for

A product of T. J. Smith & Nephew Ltd., Hull.



Elastoplast
TRADE MARK
FIRST-AID DRESSINGS

LABELS OF DISTINCTION

For Wholesale Manufacturing & Retail Chemists

MEDICAL and DISPENSING LABELS, TOILET, COSMETIC and PERFUME, largest range of STOCK LABELS (attractive two-colour 50-60 wordings), SHAMPOO POWDER ENVELOPES and INNERS, also SACCHARINE TABLET ENVELOPES, with name and address. We can also offer multi-coloured advertising stamps in exclusive designs.

Send for our extensive sample range

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Artists in the Production of Fine Labels

BOURNEMOUTH

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SANITARY TOWELS

for Perfect Reliability

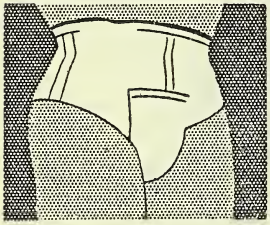
NON CHAFING
HIGHLY ABSORBENT
In various sizes

WILFRED STRETCH & Co.
LIMITED
CASTLETON · ROCHDALE

BIGGER 'LITESOME' SUPPLIES

....But demand gains pace!

Production in the new, bigger Litesome factory has been going up steadily but demand for Litesomes has been growing fast, too. The result is that it is still necessary to ask you to order well ahead—to estimate future requirements now and order accordingly. If you wait until you actually need the goods you may be disappointed.



ON TOP OF THE WORLD

LITESOME

FITWEAR FOR MEN

Sizes 28-34 and 34-40 inch waist

STANDARD - Retails at 6/10 MAYFAIR - Retails at 15/2

FRED HURTLEY, LTD., KEIGHLEY, YORKS.

TREECE'S FLOOR POLISH

IN INCREASING DEMAND ALL OVER THE LAND

A SAFE GUARANTEE OF QUALITY.

IT HAS NO EQUAL

for cleaning, polishing & preserving

WOOD FLOORS, LINOLEUM & FURNITURE

SPECIAL OFFER!

A full-size tin FREE in exchange for your wholesaler's name and address.

45 years' reputation for Quality.

TREECE'S PURE BEESWAX FLOOR POLISH

TREECE POLISH Co., Ltd., NOTTINGHAM

RABOK

THE WONDER WOOL

★ *Cleans as it Polishes*

THE MODERN METHOD OF CLEANING

Gold, Silver, Electro Plate, Chromium, Etc.

USED BY ALL LEADING SILVERSMITHS

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The RABOK MANUFACTURING Co. Ltd.

OUGHTIBRIDGE . . . SHEFFIELD

PROPHYLACTICS

High Grade American brands "SILVERTEX" and "TEXIDE"

Individually sealed in coloured tinfoil on Perforated Strips. Beautiful silky quality and if necessary keep as packed for years and not lose elasticity

Particulars from **Sir John Pratt & Co**

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Phone Paddington 4104

TRADE MARK

SAN-MEX

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Quality disinfectants

Six best sellers!

Unfortunately they sell too fast for us to meet the huge demand — but we are doing all we can to help you.

Trade enquiries to Sole Manufacturers:—

The BRITISH PRODUCTS SAN-MEX Co., Ltd.

SAN-MEX CHEMICAL WORKS, ST. ANDREWS SQ., GLASGOW C.1

TO PUSH YOUR SALES IN

NORTHERN INDIA

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THE EDWARD MEDICAL HALL GUJRANWALA

Manufacturers' Representatives

Dealers in Drugs, Patent Medicines, Toilets, Surgicals, etc., with a sales organisation of their own.

32,000,000 GALLONS

of

LIQUINURE SOLUTION

are used every year, and the demand for this important liquid plant food is still increasing. Be sure to have a good stock for spring and summer when our national advertising will be at its height.

Sold in **2/6** *bottles*

Obtainable from your wholesaler

LIQUINURE SALES
27 BURNT OAK BROADWAY
EDGWARE - MIDDX.

LIQUINURE
LIQUID PLANT FOOD

BUNION
B·D
DRESSING

Extensively Sold on the Continent as "Baume Dalet"

Evolved by a French physician for the treatment of Bunions, "Baume Dalet" has for many years enjoyed a wide sale on the Continent. Its distribution and manufacture in this country, under the name of B.D. Bunion Dressing, has now been arranged. In tubes, 3s. 4½d., inclusive of Purchase Tax. Enquiries are invited.

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18 Old Town, London, S.W.4

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THE WORLD'S LARGEST-SELLING HOME DYE

A NEW LINE with A CENTURY OLD Appeal

Ashfields

ROMANY HERBS

"The natural thing to take"

for Rheumatism, Constipation all Impurities of the Blood

Presented in a gay, sales-compelling pack.
Retail 1/4½ inc. tax. W/Sale 8/6 doz. plus tax
Showcards Available

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N. Ireland, Agents and Distributors
HAROLD MITCHELL & CO.
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W/Salers invited to apply for terms and sample to
ASHFIELDS, Mfg. Chemists,
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FINDLAYS SOLVENT

THE REMEDY FOR

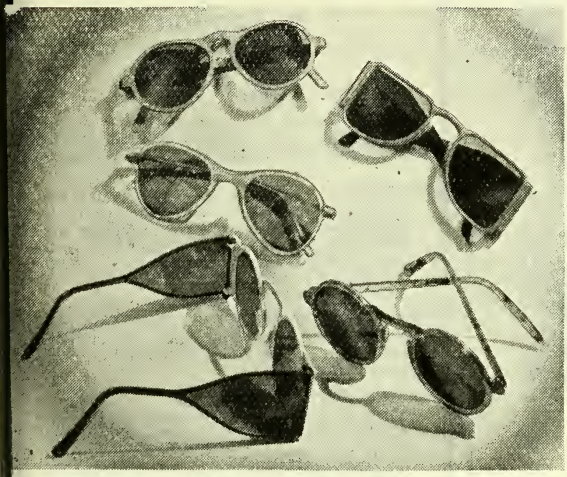
CORNS WARTS HARDSKIN

AN INCREASE IN PRICE IS ANNOUNCED TO 1/8 per BOTTLE

Special Trade Bonus Terms on Application

Manufactured by
THE VIOLIV MANUFACTURING CO.
23 East Cross Causeway, Edinburgh 8

SUNGLASSES



Wide range of designs to suit all requirements

Makers of the Popular 'D' Shaped
(Regd. Design 842514)
Sunglasses

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cks for invalids *only*.

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THE MEAT AND MALT WINE

AUFOYS WINES LTD., VILLIERS ROAD, KINGSTON.
Sole distributors to the Pharmaceutical Trade:
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BACK AGAIN

META

SOLID FUEL TABLETS
HANDY AND AS EFFECTIVE AS EVER

THE RETURN OF THIS WORLD-FAMOUS FUEL WILL BE WELCOMED EVERYWHERE

SUPPLIES AVAILABLE EARLY IN APRIL
BUT THEY WILL BE LIMITED

You are therefore advised to order early

WHOLESALERS' ENQUIRIES TO: **M. P. TOULSON LTD.**
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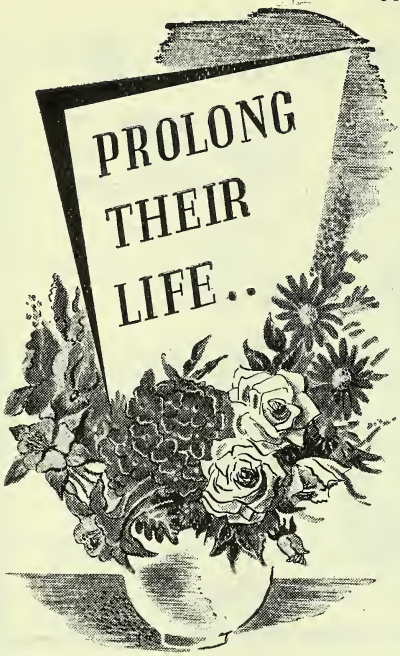
DID YOU KNOW THAT META FUEL IS ALSO AN EFFECTIVE SNAIL AND SLUG KILLER?



FLOWERS are more in a florist's line—but now they hold an interest for you, too. We have, after considerable research, perfected a tablet which, dropped in their water, will keep cut flowers fresh and lovely many times their normal life. Distributed to chemists by S. Maw Son, & Sons, Ltd., New Barnet, backed by nation-wide advertising and displayed in a beautiful full colour carton, HUSH TABLETS sell themselves at only 6d. a packet in cartons of 48 or 96 packets.

Hush TABLETS

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108 BROMPTON ROAD · LONDON · S.W.3

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SCHOOL OF DENTAL SURGERY
(UNIVERSITY OF LONDON)

Leicester Square, London, W.C.2

Men and Women Students are admitted for the Curriculum for the B.D.S. Degree and the L.D.S. Diploma in May, October and January.

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Applications for further particulars and School Calender are invited by the DEAN

The Bronchial months are here. Show these reliable, popularly priced lozenges in their attractive cartons on your counter and you will be pleased with the sales. The formula is reliable and the profit is good. From your Wholesaler or direct:—

A tickle in the throat puts a tinkle in the till

ANDERSON RICHARDS & COMPANY LTD.
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THE ANGLO-FRENCH DRUG Co. Ltd.

are glad to announce that the following products are again available :—

ACECOLEX	BIVATOL	NAIODINE
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A reputation for reliability . . .

"Sentinel"

ALL COTTON WOOL

SANI-TOWELS

"with the soft seamless knitted covering"

SIZES 1, 2, 3 AND MATERNITY

also

'KUMFEX' SOLUBLE

(all with loop ends)

★ *Supplies unfortunately restricted at present*

SPLENDOR LTD. Nottingham & London

To Pharmacists on the North-East Coast

Middleton & CO. LIMITED, of **Boundary Road, MIDDLESBROUGH** TEL. 3207-8

offer a comprehensive

Penicillin Service

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DRUGS, GALENICALS, PROPRIETARIES, SURGICAL DRESSINGS AND SUNDRIES. LABORATORY CHEMICALS AND ANALYTICAL REAGENTS.

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"NIAGARA" BRAND CULINARY FLAVOURS

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Try! and Believe

TWO OUTSTANDING PRODUCTS

"ROHSEM"
Antiseptic Concentrated Wave Set
Miniature size, 2/6 bottle (makes 1-2 gallons)
General size, 7/6 ,, ,, 5-7 ,,
Subject to 100% Tax
Simply shake, pour into warm water and dilute as required.

"ROHSEM" R.C.E.
The White Cream Maker
Price, 7/6 per lb.; packed in 1½-lb. and 5½-lb. tins. Simply add to hot water, which produces a Brilliant Cream with a glowing sheen.
NOTE—"R.C.E." is a raw material and is subject to the usual declaration.

"LAMAU" *Perfumery*
NOW IN PRODUCTION
Bulk or Proprietory Packs

"ROHSEM" *Shampoo*
400 Soapless Shampoo Powder.
D.X. ,, ,, Liquid
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In Proprietary packs or bulk.

Wholesale or Trade enquiries invited.

LENNARD, LEE-NARVILL & CO. LTD.
LEE-NARVILL LABORATORIES
ANLABY ROAD · KINGSTON-UPON-HULL

BESORBON SELLS ON SIGHT!

Besorbon medicinal snuff is in demand all the year round as a preventive remedy for Hay Fever, Colds and Catarrh. Put this attractive display box on your counter and it will make its own sales. Supplied with all orders for dozen lots—from all registered wholesale chemists.

KEMSALES LTD.
20 EASTCHEAP, LONDON EC.

★ **Trade Terms: 16/- Per Dozen.**
Purchase Tax: 2/8 Per Dozen.
Inclusive Retail Price: 2/- Per Jar.

A steady seller...

D.D.D. BALM

D.D.D. Balm is a steady seller because it is a good product in the modern taste, and because its merits are constantly kept before the public by advertisements in the national, periodical and provincial press and by posters in buses, trams and railway stations.

Among its many uses D.D.D. Balm is especially effective for the treatment of napkin rash, chafed and chapped skin, and other skin troubles from which babies suffer. We are stressing this use in our current advertising and many mothers and nurses have written to tell us how pleased they were when they first tried D.D.D. Balm for their babies.

You should be ready to supply this new and effective product. It is freely available and your wholesaler can supply you from stock.

★ *We will be glad to send you a Showcard if you will write to:—*

D.D.D. CO. LTD.
3 FLEET LANE, LONDON, E.C. 4

SUNGLASSES

White and Tortoiseshell

also **CLIP-ONS**

Tortoiseshell and Transparent Colours

SPECIAL OFFER FROM STOCK

20/- PER DOZEN

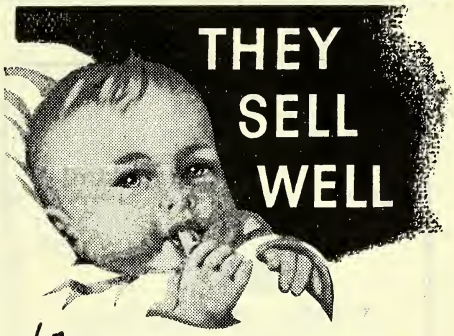
LIMITED SUPPLY

BUY NOW

Outstanding Line for

CHEMISTS and FANCY GOODS DEALERS

Potteries Toilet Co. Ltd.
WHARF STREET,
STOKE-ON-TRENT, STAFFS.



for seven good reasons

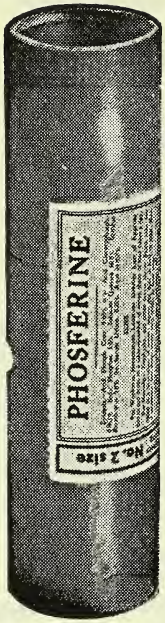
(1) Made from best Latex obtainable.
(2) Available normal and anti-colic shapes.
(3) Hygienic and attractive individual packing.
(4) Seamless construction.
(5) Transparent.
(6) Stand repeated sterilization.
(7) Fit any size bottle.

GROVEWELL

FEED TEATS & VALVES

Wholesale only supplied

656, Forest Road, Walthamstow, London, E.17



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TABLETS and LIQUID

● PHOSFERINE is a popular Tonic Medicine which has won world-wide reputation—its popularity being largely due to personal recommendation by those who have benefited by its use.

Phosferine Advertising which makes no extravagant claims consistently keeps our product before the notice of the Public.

Make sure your stocks are equal to the demand

PHOSFERINE (Liquid and Tablets) available in 2 sizes

No. 1 retails at 1/4 including Purchase Tax
No. 2 „ „ 3/3 „ „ „

PHOSFERINE (Ashton & Parsons) Ltd., St. Helens, Lancs.

SELLING UNLIMITED!

MORE and more Chemists are getting calls for ANTIPHLOGISTINE for a long list of common everyday conditions

P.A.T.A.

Respiratory: Chest Colds, Bronchial Irritations, Sore Throat due to colds
Home Injuries: Sprains, Strains Muscular Aches and Pains

The story of ANTIPHLOGISTINE is being carried to the Medical Profession by Medical Journals.
Four sizes available to meet all demands
10½ ozs., 1 lb., 2 lbs., 5 lbs

Antiphlogistine
TRADE MARK

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THAT good toilet papers are in short supply today is only too common knowledge. The reasons why production does not catch up with demand are not so apparent.

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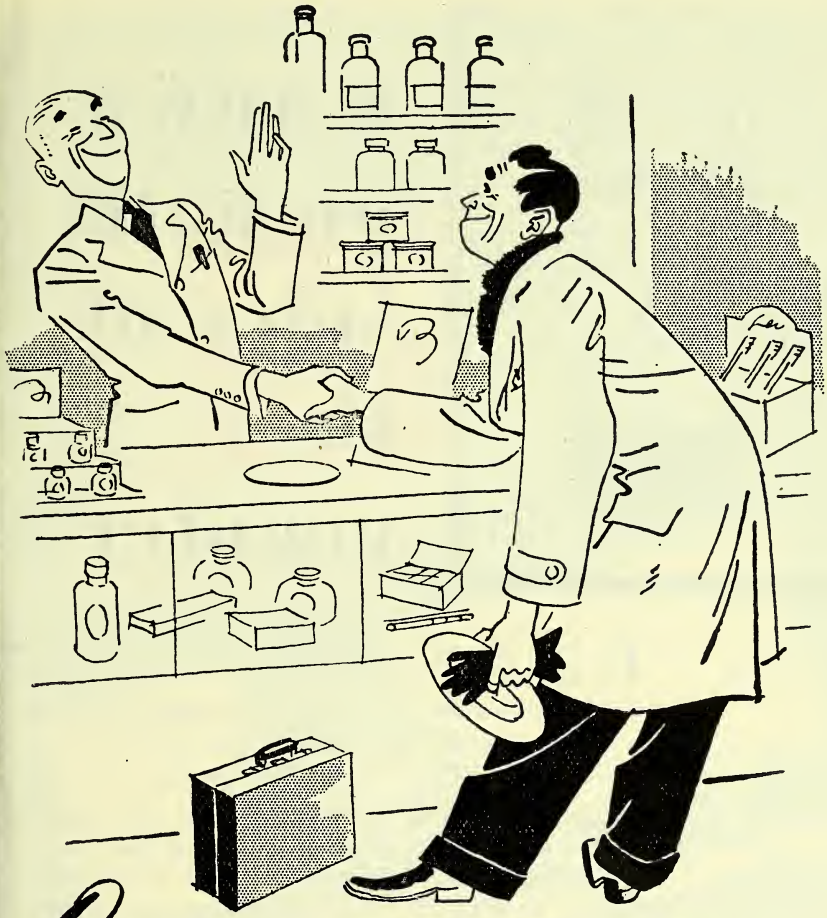

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